Ontario

Ministry
of the
Environment

Water Resources
Bulletin 2-104
Ground water series

Hon. Harry C. Parrott, D.D.S., *Minister*
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DATA FOR OBSERVATION WELLS IN ONTARIO 1977

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MINISTRY OF THE ENVIRONMENT

Water Resources Branch

TORONTO ONTARIO

1979

METRIC CONVERSION FACTORS

Multiply English Units	by	To obtain Metric Units
Inches (in)	2.540	Centimetres (cm)
Feet (ft)	0.305	Metres (m)
Imperial gals/min (Igpm)	0.758	Litres/sec L/s)
Imperial gals/min/ft (Igpm/ft)	0.248	Litres/sec/metre (L/s/m)

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INTRODUCTION

On April 1, 1974 the Ontario Ministry of the Environment reorganized its working structure from a centralized Toronto-based organization, to a decentralized structure having major Ministry offices in six regional centres across Ontario. With this reorganization, the responsibility for ground-water data collection fell to the Ministry's Regional Offices, while the data assimilation, processing and publication remained the responsibility of the Water Resources Branch in Toronto.

The ground-water regime that exists in any area is a result of the geology, topography, drainage and climate of that area. Water which enters the soil and percolates downward into the zone of saturation, where all the voids and openings of the materials in the ground are filled with water, is commonly referred to as ground water. The top of this zone of saturation or ground-water system is called the water table and in Ontario is often found a few feet below the ground surface.

Precipitation in the form of rain and snow is the main source of ground water. In general, approximately 40% of all precipitation becomes surface runoff or infiltrates into the ground. The rest is returned to the atmosphere by evaporation from the soil and open bodies of water, and by transpiration from vegetation. Precipitation averages over 30 inches (76 cm) annually in most parts of southern Ontario. Forty percent of this amounts to 174 million gallons on each square mile of land surface, or 212 million litres on each square kilometer. Generally, less than one half of this volume of water will infiltrate and move through the ground-water system before being discharged into streams or lakes. Since infiltration rates are comparatively higher in sand and gravel areas than in clay areas, recharge to ground water will be correspondingly higher in sands and gravels.

Geologic formations that contain, transmit and yield ground water in usable quantities are termed aquifers. The degree to which a formation will store and yield water is dependent on its porosity and permeability. The porosity of a material is the proportion of openings or pore spaces to the volume of the material. The permeability gauges the rate at which a material will transmit water, and is dependent on the size and degree of interconnection of the pore spaces. Thus, a fine silty sand may have a higher porosity than a medium sand, but the finer material will have a lower permeability and yield smaller quantities of water to wells.

The amount of water that can be extracted from any area depends on the character of the aquifers. Fine-grained overburden materials such as clays and silts are generally poor sources of water supply. Wells developed in such materials may not meet normal household requirements (100 gals/capita/day) if adequate storage is not provided. Coarse overburden materials such as sands and gravel have high permeabilities and are usually very good sources of ground water. Bedrock materials with adequate permeabilities resulting from fractures and solution cavities are also good sources of ground water.

Numerous factors such as the amount and intensity of rainfall, nature of the soil and vegetation, slope of land surface, and wind and temperature conditions also have a bearing on the amount of precipitation that becomes ground water. Before large withdrawals of ground water are planned in an area, a reliable estimate should be made of the average annual recharge to ground water. If this is done, the depletion of ground water stored in the aquifer can usually be avoided, and pumping installations can be designed for long, economical use.

GROUND WATER LEVELS

One of the keys to the availability of ground water in a particular area are actual ground-water levels as measured in wells. These levels may be a reflection of static or equilibrium ground-water conditions, or they may reflect artificial drawdown conditions caused by local withdrawals. A continuous record of water-level fluctuation reveals numerous factors concerning both the ground-water regime and the characteristics of a particular water-bearing formation. The continuous record, or hydrograph, is useful in analyzing natural long-term fluctuations in ground-water levels which are related commonly to precipitation, evapotranspiration and the discharge of water to streams.

In addition to monitoring natural ground-water level fluctuations, observation wells are established to determine the effects of large ground-water withdrawals from aquifers, to show the effects of natural and artificial recharge on aquifers, to assist in drainage basin analyses by providing data to show recharge and discharge areas, and to show regional and local ground-water flow patterns. Together with data on pumping rates, pumping levels and other aquifer characteristics, the water levels in observation wells are utilized in the calculation of the potential yield of aquifers and high-capacity production wells.

The water level in an unpumped observation well is referred to as the static level. Fluctuations in this level result either from natural causes such as precipitation, evaporation and ground-water discharge, or from artificial causes such as pumping or artificial recharge. A static level that follows a downward trend may forecast serious problems resulting from overpumping, reduced recharge due to changed soil or vegetational cover, or a combination of these and other factors. A knowledge of ground-water levels is a prerequisite to good ground-water management. Problems of water shortages and complaints about well interference cannot be fully understood or resolved without reliable data on water-level fluctuations.

In Ontario, ground-water levels normally rise during the fall, early winter and spring snowmelt periods when transpiration and evaporation are minimal. Throughout the warm-weather growth period, the amount of water infiltrating is greatly decreased by evaporation and transpiration. As a result, recharge to ground water is minimized and ground-water levels generally decline during this period.

OBSERVATION WELL NETWORK

The observation well network in the Province of Ontario dates back to 1946 when the initial step in establishing the network was taken by the Ontario Department of Mines. Some of the original wells are still being used for observation purposes. Although the majority of network wells are operated by the Ministry of the Environment, a few are maintained by Ontario Hydro and the Ministry of Transportation and Communications for their own specific study purposes. The observation wells within the Ministry of the Environment's network consist primarily of drilled and bored wells, which are used commonly for supply purposes, as well as the more specialized piezometer tubes, which are used specifically for water-level measurement purposes. Water levels are measured either manually by tape or by automatic water-level recorders. Abandoned wells are ideally suited for observation purposes because the water-level fluctuations will not be affected by withdrawals of ground water from the wells. Observation wells in some cases have been acquired over the years in co-operation with private individuals or municipalities. Other wells have been constructed by the Ministry of the Environment specifically for water management and interference studies, and for river basin studies. New wells are regularly being incorporated into the network as new studies or water management problems arise. Older wells are phased out as sufficient data are gathered to satisfy the original intended use, or if a particular property owner wishes to use the well for other purposes.

OBSERVATION WELL DISTRIBUTION

As of December 31, 1977 the distribution of observation wells within each Region of the Ministry was as follows:

Region	Recording Wells	Manually Measured Wells
1) Southwest	19	26
2) West-Central	20	7
3) Central	29	2
4) Southeast	11	1
5) Northwest	-	-
6) Northeast	1	-
TOTAL	80	36

Observation wells in this publication are indexed in the following order.

1) MOE Region - All observation wells located in one particular region are grouped together.

2) County - The wells are indexed by county, then by township.

3) Numerically - Where there is more than one well in a particular township they are listed by their observation well numbers.

The Regional maps show the approximate locations of the recording wells and can be used as a guide to the distribution of the wells in each region.

OBSERVATION WELL INFORMATION

The recorder charts are forwarded to the Hydrology and Monitoring Section of the Water Resources Branch in Toronto where the chart data is processed using the computer-digitizing method. After processing the data a variety of output options are available.

1. Daily mean water-level tabulation;

2. Daily instantaneous maximum water-level tabulation;

3. Daily instantaneous minimum water-level tabulation;

4. Annual hydrograph in either "Feet Above Sea Level" or "Feet Below Ground Surface" (plotted from daily mean values);

5. A plot of the chart from the digitized points;

6. A card output from the digitized points;

7. Any combination of the above.

EXPLANATION OF WELL SPECIFICATIONS

OBSERVATION WELL NUMBER — The observation well number is assigned in numerical sequence at the time of the establishment of each observation well.

WELL REC. # — Each observation well is assigned a well record number to identify it within Ontario's water well record system. Each well record is assigned a unique number after it is filed with the Ministry.

CONC. — The majority of townships in Ontario are surveyed into a regular pattern of concessions and lots; however, in some areas, geographical or historical factors may have created surveys of irregular shapes or patterns. This has resulted in many survey descriptions which are unique to certain areas.

SEE: Abbreviations Used to Describe Surveys and Tracts.

UTM CO-ORD. — (Universal Transverse Mercator Co-ordinates in Meters) This location system makes use of a square grid, 1000 x 1000 metres, which is superimposed on maps of the National Topographic System. The vertical grid lines are called Eastings and the horizontal lines Northings.

The Easting represents the distance of a well in an easterly direction from a given north-south reference line. The Easting is the figure immediately following the letter E.

The Northing represents the distance of a well in a northerly direction from a given east-west reference line. The Northing is the figure immediately following the letter N.

The zone number which follows the letter Z is also a part of the UTM co-ordinates.

LAT & LONG — Latitudes and Longitudes were determined from plotted locations on topographic maps and are given to the nearest minute.

REC. METHOD

The recording method describes the manner in which the data were obtained, i.e., automatic water-level recorder or manual measurement.

The following automatic recorders are currently in use by the Ministry of the Environment:

- Stevens A35 Recorder (Float actuated)
- Stevens 'F' type recorder (Weekly/Monthly; Float actuated)
- Brott Recorder (Nitrogen gas actuated)

REC. COMMCD

Water-level recording was commenced on the date listed.

MEASURE PT.

The measuring point is the reference point, either above or below ground level, from which measurements are taken for each observation well. This figure is subtracted or added to the recorder chart measurements to obtain water levels in feet below ground surface.

WELL TYPE

This describes the method of construction of the well, i.e. drilled, bored or dug.

DIAMETER OF WELL

Casing diameters are shown to the nearest inch. Where several sizes of casings were used, the diameter of the lowermost casing only is given.

GND ELEV.

The ground elevation at the well site is given in feet above mean sea level. The majority of the elevations were determined from plotted locations on the National Topographic maps and are therefore related to the accuracy of the locations and the scale of the maps.

LENGTH OF CASING

The length of casing is the distance from ground level to the end of the cased section of the well.

LENGTH OF SCREEN

This is the length of well screen, sand point or slotted pipe section.

PUMP RATE

This is the rate (in Imperial gallons per minute) at which the well was test pumped. Where no pumping test was performed, the letters N.A. (Not Applicable) appear.

SPEC. CAP.

The specific capacity is determined using information obtained during the pumping test. It is calculated by dividing the pumping rate by the drawdown, which is the difference between the static water level before the test and the maximum pumping level measured during the test. Where no pumping test was performed, the letters N.A. appear.

AQUIFER

This lists the geological material of the main water-bearing formation.

QUALITY

After the construction of each well, the driller evaluates the water for taste and smell. The kind of water is shown by the following:

Fresh
Salty
Sulphur
Mineral

WELL LOG

This is a verbatim description of the well log as it was listed on the well record by the driller. Each formation is followed by a number which indicates the distance to the bottom of the formation. The last number generally indicates the total depth of the well.

MONTHLY SUMMARY

Monthly summaries are printed only for those months in which there are data for every day in that month.

MEAN

This figure represents the mean monthly water level, measured in feet below ground surface.

INST. MAX.

This is the instantaneous maximum water level, in feet below ground surface recorded for that month. The bracketed figure (or figures) immediately below the INST. MAX. value indicates the date(s) on which that value occurred. If the maximum value falls on more than 4 days it is indicated by an asterisk.

INST. MIN.

This is the instantaneous minimum water level, in feet below ground surface, recorded for that month. The bracketed figure (or figures) immediately below the INST. MIN. value indicates the date(s) on which that value occurred. If the minimum value falls on more than 4 days it is indicated by an asterisk.

ABBREVIATIONS USED TO DESCRIBE SURVEYS AND TRACTS

Abbreviations	Survey or Tract	Municipality
Southwestern Region		
FC	Front Concession	South Colchester Twp.
NTR E	North Talbot Road East	Westminster Twp.
Range IN	Range 1 North (Longwood's Rd. North)	Caradoc Twp.
WB	West Boundary Concession	Blanshard Twp.
West-Central Region		
BRN	Bleams Road North	Wilmot Twp.
BRS	Bleams Road South	Wilmot Twp.
ERS	Egremont Road South	Wilmot Twp.
JT	Jones Tract	N. Cayuga Twp.
STR	South Talbot Road	Middleton Twp.
Central Region		
HSE	Hurontario Street East	Chinguacousy Twp.
HSW	Hurontario Street West	Chinguacousy Twp.
OS	Old Survey	King Twp.
R 3 CIR	Range 3 Credit Indian Reserve	Toronto Twp. (Old Survey)
1E	Conc. 1E (Yonge Street East)	East Gwillimbury Twp.
Southeastern Region		
MT	Military Tract	Hallowell Twp.

WELL INDEX

Southwestern Region

WELL INDEX

Southwestern Region

West-Central Region

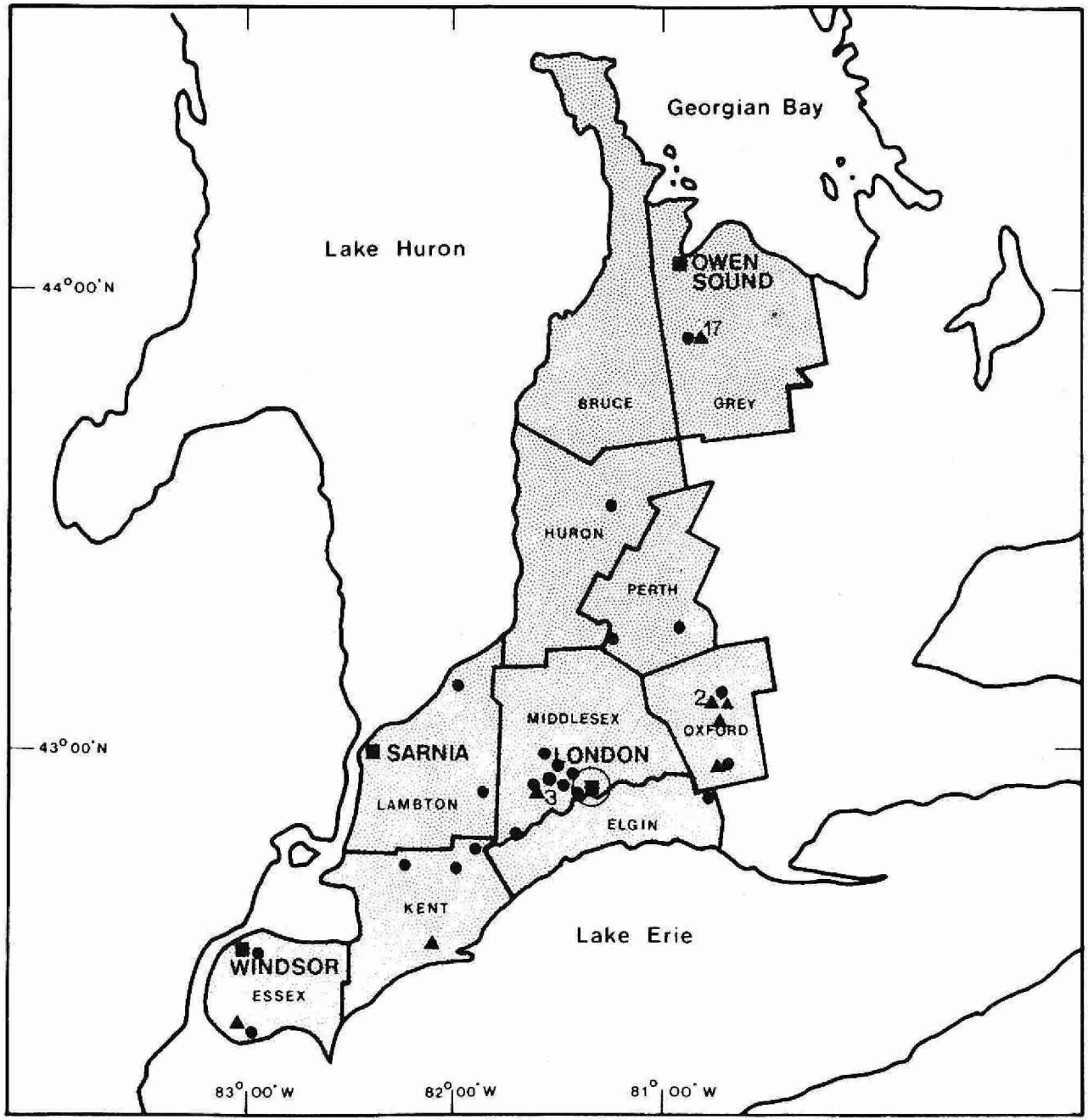
Central Region

Southeastern Region

Northeastern Region

Southwestern Region
1

Ministry of the Environment
Ontario



OBSERVATION WELL DISTRIBUTION

OBSERVATION WELL DATA

REGIONAL OFFICE

LONDON
985 Adelaide St. S.
519-681-3600

DISTRICT OFFICES

Windsor
3012 Tecumseh Rd. E.
519-945-2339

Sarnia
242A Indian Rd. S.
519-336-4030

Owen Sound
220 11th St. E.
519-371-2901

LEGEND

- Regional Office
- District Office
- Recording Observation Well
- Number of Recording Wells in same location (2)
- Manually Measured Well
- Number of Manually Measured Wells in same location (2)

ENVIRONMENT ONTARIO
TORONTO
ESSEX COUNTY

OBSERVATION WELL 164

TOWNSHIP OF SANDWICH E. CONC. 3 LOT 95

WELL REC #: 2102685
UTM COORD: Z=17 E337280 N4680460
LAT & LONG: 42=16NORTH 82=58WEST

REC METHOD: A35 RECORDER
REC COMMCD: DEC 6 1965
MEASURE PT: 3.0 FEET ABOVE GROUND SURFACE
GND ELEV: 620 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: TOPSOIL 1; CLAY 16; CLAY AND SMALL AMOUNT OF GRAVEL 141; CEMENTED GRAVEL 145; BROKEN ROCK 146; LIGHT BROWN LIMESTONE 192.

DIAMETER OF WELL: 23 INCHES
LENGTH OF CASING: 147 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 192 FEET

PUMP RATE: 154 IGPM
SPEC. CAP: 2.01 IGPM/FT
AQUIFER : LIMESTONE
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	31.15	31.10	31.23	31.30	31.35	31.42	32.11	32.53	32.35	31.75	31.88	31.33	1
2	31.26	31.25	31.36	30.94	31.22	31.75	32.27	32.63	32.27	31.83	31.93	31.47	2
3	31.25	31.06	31.39	31.08	31.38	31.76	32.35	32.78	32.43	31.99	32.03	31.50	3
4	31.25	30.96	31.08	30.98	31.20	31.74	32.35	32.77	32.13	32.10	32.06	31.60	4
5	31.28	31.04	31.20	30.77	31.00	31.65	32.35	32.84	32.01	32.25	31.99	31.48	5
6	31.19	31.25	31.16	31.63	31.02	31.48	32.39	32.80	32.11	32.32	31.77	31.38	6
7	31.14	31.38	31.29	31.37	31.16	31.53	32.38	32.62	32.18	32.25	31.68	31.57	7
8	31.26	31.35	31.34	31.38	31.14	31.48	32.36	32.58	32.39	31.63	31.94	31.64	8
9	31.25	31.32	31.24	31.45	31.20	31.57	32.51	32.71	32.20	31.63	31.78	31.51	9
10	30.87	31.34	31.28	31.32	31.30	31.72	32.61	32.77	32.09	31.74	31.81	31.76	10
11	31.14	31.16	31.39	31.37	31.50	31.59	32.63	32.81	32.27	31.88	31.81	31.82	11
12	31.45	31.14	31.24	31.45	31.31	31.58	32.41	32.91	32.16	32.16	31.89	31.70	12
13	31.43	31.02	30.97	31.41	31.20	31.78	32.57	32.49	31.92	32.13	31.90	31.79	13
14	31.13	31.07	31.15	31.48	31.26	31.78	32.72	32.16	32.06	32.29	31.92	32.10	14
15	31.01	31.25	31.18	31.49	31.43	31.81	32.68	32.33	32.18	31.87	31.78	32.25	15
16	31.02	31.35	31.31	31.41	31.67	31.71	32.60	32.43	32.23	31.87	31.63	32.26	16
17	31.14	31.54	31.38	31.27	31.90	31.59	32.59	32.20	32.02	31.97	31.64	31.72	17
18	31.29	31.38	30.99	31.25	31.80	31.45	32.59	32.36	31.83	31.85	31.78	31.62	18
19	31.09	31.32	31.17	31.22	31.87	31.51	32.58	32.38	31.84	32.14	31.95	31.54	19
20	31.09	31.22	31.02	31.22	31.74	31.53	32.60	32.14	31.98	32.05	31.93	31.43	20
21	31.16	31.21	31.20	31.59	31.51	31.70	32.79	32.03	31.99	32.02	31.97	31.40	21
22	31.31	31.07	31.41	31.36	31.48	31.79	32.82	32.12	32.18	32.01	32.06	31.47	22
23	31.26	31.13	31.24	31.14	31.42	31.81	32.77	32.18	32.17	31.99	31.75	31.52	23
24	31.11	30.96	31.38	30.99	31.51	31.74	32.67	32.19	32.18	31.96	31.71	31.46	24
25	31.05	31.03	31.39	30.88	31.62	31.64	32.59	32.27	31.83	31.99	31.56	31.28	25
26	31.03	31.22	31.33	31.07	31.50	31.60	32.69	32.37	31.68	31.96	31.62	31.36	26
27	31.00	31.06	31.41	31.18	31.47	31.71	32.79	32.41	31.75	31.96	31.59	31.50	27
28	30.95	31.20	30.96	31.14	31.49	31.73	32.79	32.69	31.90	32.20	31.70	31.51	28
29	30.99		30.92	31.24	31.44	32.04	32.86	32.84	31.97	32.26	31.84	31.53	29
30	31.09		30.95	31.29	31.67	32.13	32.65	32.58	31.96	32.20	31.67	31.45	30
31	31.03		31.15		31.53		32.50	32.55		32.15		31.48	31

=MONTHLY SUMMARY=

MEAN	31.15	31.19	31.22	31.26	31.42	31.68	32.56	32.49	32.08	32.02	31.82	31.59	MEAN
INST MAX	30.75 (10)	30.83 (13)	30.79 (29)	30.68 (5)	30.94 (5)	31.33 (1)	32.05 (1)	31.88 (22)	31.58 (26)	31.99 (9)	31.62 (25)	31.19 (1)	INST MAX
INST MIN	31.96 (12)	32.07 (17)	31.88 (22)	32.33 (4)	32.27 (17)	32.39 (29)	33.32 (21)	33.26 (10)	32.82 (3)	32.72 (26)	32.52 (4)	32.55 (14)	INST MIN

ENVIRONMENT ONTARIO
TORONTO
ESSEX COUNTY

OBSERVATION WELL 170

TOWNSHIP OF S. COLCHESTER GORE LOT 18

WELL REC #: 2101061
UTM COORD: Z=17 E342840 N4654930
LAT & LONG: 42=02NORTH 82=54WEST

REC METHOD: A35 RECORDER
REC COMMCD: MAR 5 1966
MEASURE PT: 1.5 FEET ABOVE GROUND SURFACE
GND ELEV: 630 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: TOPSOIL 1; YELLOW SAND 12; GREY SAND 30; QUICK SAND 110; SAND AND GRAVEL 115; COARSE GRAVEL 124; GREY LIMESTONE 129.

DIAMETER OF WELL: 6 INCHES
LENGTH OF CASING: 124 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 129 FEET

PUMP RATE: 300 IGPM
SPEC. CAP: 60.0 IGPM/FT
AQUIFER : LIMESTONE
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	11.00	11.25	10.92				9.39	10.15	10.14	9.67	9.39		1
2	11.01	11.24	10.93			8.57	9.44	11.91	10.14	9.65	9.39		2
3	11.02	11.26	10.90			8.63	9.46	12.02	10.15	9.64	9.39		3
4	11.03	11.27				8.60	9.48	11.40	10.16	9.64	9.42		4
5	11.03	11.29				8.57	9.48	10.33	10.16	9.63	9.45		5
6	11.03	11.30				8.53	9.49	10.35	10.26	9.64	9.44		6
7	11.05	11.30				8.57	9.96	10.02	10.34	9.63	9.42		7
8	11.05	11.30				8.55	9.99	10.16	10.36	9.57	9.42		8
9	11.05	11.31				8.70	9.40	10.14	10.35	9.39	9.44		9
10	11.03	11.32				8.75	9.36	10.12	10.40	9.41	9.43		10
11	11.08	11.33				8.63	9.35	10.13	10.41	9.38	9.47		11
12	11.09	11.33				8.65	9.39	10.11	10.43	9.37	9.51		12
13	11.10	11.31				8.70	9.46	10.09	10.41	9.38	9.52		13
14	11.09	11.31				8.71	9.53	10.11	10.47	9.37	9.53		14
15	11.10	11.33				8.77	9.54	10.14	10.49	9.35	9.50		15
16	11.11	11.34				9.91	9.58	10.13	10.40	9.36	9.48	8.98	16
17	11.12	11.34				11.01	9.48	10.15	10.23	9.36	9.49	8.87	17
18	11.12	11.34				9.32	10.32	10.18	10.20	9.34	9.55	8.75	18
19	11.13	11.35				9.13	9.68	10.19	10.15	9.34	9.58	8.70	19
20	11.15	11.34				10.90	9.68	10.19	10.02	9.36	9.58	8.59	20
21	11.16	11.37				10.65	9.72	10.19	10.01	9.36	9.56	8.53	21
22	11.17	11.36				10.52	9.72	10.23	9.98	9.37	9.59	8.53	22
23	11.18	11.35				9.29	9.71	10.25	9.95	9.38	9.56	8.50	23
24	11.18	11.18				10.11	9.71	10.26	9.92	9.38	9.62	8.45	24
25	11.18	11.08				9.35	9.91	10.29	9.93	9.37	9.67	8.34	25
26	11.18	11.05				9.40	10.30	10.31	9.80	9.36		8.33	26
27	11.20	10.98				10.71	10.79	10.33	9.75	9.35		8.32	27
28	11.21	10.93				10.64	11.03	10.33	9.76	9.37		8.32	28
29	11.23					9.82	11.60	10.16	9.74	9.39		8.33	29
30	11.20					9.71	10.16	10.15	9.72	9.39		8.33	30
31	11.24						10.16	10.15		9.39		8.33	31

=MONTHLY SUMMARY=

MEAN	11.11	11.27					9.82	10.34	10.14	9.48			MEAN
INST MAX	10.99 (11	10.92 (28)					9.33 (12)	9.86 (2)	9.70 (30)	9.33 (19)			INST MAX
INST MIN	11.25 (31)	11.38 (22)					14.63 (29)	15.14 (31)	10.56 (14)	9.87 (1)			INST MIN

ENVIRONMENT ONTARIO
TORONTO
ESSEX COUNTY

OBSERVATION WELL 171

TOWNSHIP OF S. COLCHESTER — GORE — LOT 15

WELL REC #: 2103851
UTM CO-ORD: Z=17 E342649 N4654902
LAT & LONG: 42=02NORTH 82=54WEST

REC METHOD: STEEL TAPE
REC COMMCD: APR. 1 1966
MEASURE PT: 2.0 FEET ABOVE GROUND SURFACE
GND ELEV: 632 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: BROWN SILTY SAND 8; BROWN SAND WITH SOME COARSE SAND AND GRAVEL 23; GREY SAND, SILTY CLAY 26; GREY FINE SAND AND SOME GRAVEL 30; GREY, FINE TO MEDIUM SAND 32; GREY FINE SAND 37.

DIAMETER OF WELL: 6 INCHES
LENGTH OF CASING: 31 FEET
LENGTH OF SCREEN: 6 FEET
DEPTH OF WELL: 37 FEET

PUMP RATE: 15 IGPM
SPEC. CAP: 2.34 IGPM/FT
AQUIFER : FINE SAND
QUALITY : FRESH

1977
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
					01/ 10.40						

ENVIRONMENT ONTARIO
TORONTO
ESSEX COUNTY

OBSERVATION WELL 222

TOWNSHIP OF S. COLCHESTER — FC — LOT 54

WELL REC #: 2100602
UTM CO-ORD: Z=17 E343580 N4650550
LAT & LONG: 41=59NORTH 82=53WEST

REC METHOD: A35 RECORDER
REC COMMCD: NOV 26 1968
MEASURE PT: 3.7 FEET ABOVE GROUND SURFACE
GND ELEV: 632 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: BLACK SANDY LOAM 1; FINE YELLOW SAND 4; GREY FINE SAND 15; HARDPAN 23; CLAY 48; QUICKSAND 53; HARDPAN 72; SILTY SAND 78; HARDPAN 105; FINE SAND 111; SAND AND HARDPAN 115; FINE TO COARSE SAND 122; BROWN LIMESTONE 125; DARK LIMESTONE 127.

DIAMETER OF WELL: 6 INCHES
LENGTH OF CASING: 123 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 127 FEET

PUMP RATE: 30 IGPM
SPEC. CAP: N.A.
AQUIFER : LIMESTONE
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1							31.15	33.11	26.01				1
2						26.37	30.01	31.71	25.94				2
3						25.92	29.62	32.40	25.98				3
4						26.89	28.62	29.62	25.88				4
5						26.17	30.91	28.43	25.76				5
6						25.33	35.81	27.71	25.68				6
7						25.15	32.80	27.24	25.74				7
8						25.08	30.09	26.89	25.69				8
9						25.32	28.77	26.78	25.61				9
10						26.56	27.96	26.60	25.58				10
11						25.81	27.31	26.65	25.68				11
12						25.01	26.89	26.56	25.50				12
13						25.00	27.62	26.50	25.41				13
14						27.57	29.09	26.44	25.34				14
15						30.11	30.75	26.26	25.35				15
16						33.39	30.30	26.17	25.26			22.54	16
17						35.69	29.67	26.14	25.31			22.45	17
18						29.77	33.31	26.19	25.09			22.26	18
19						30.13	29.91	26.14	25.08			22.11	19
20						31.29	28.24	26.15	25.09			21.95	20
21						34.49	27.40	25.93	25.07			21.84	21
22						39.48	26.93	25.85	25.05			21.80	22
23						36.21	26.75	25.92	25.10			21.69	23
24						34.58	26.43	25.86	25.10			21.70	24
25						39.10	26.20	26.04	25.08			21.59	25
26						38.95	26.28	26.14	25.50			21.63	26
27						38.88	26.26	25.99	25.42			21.59	27
28						38.18	27.57	26.01				21.59	28
29						37.96	28.46	25.89				21.49	29
30						34.83	30.60	25.84				21.44	30
31							32.59	25.97				21.49	31
						-MONTHLY SUMMARY-							
MEAN							29.16	27.07					MEAN
INST MAX							25.90 (28)	25.66 (30)					INST MAX
INST MIN							43.87 (6)	41.89 (1)					INST MIN

ENVIRONMENT ONTARIO
TORONTO
GREY COUNTY

OBSERVATION WELL 191

TOWNSHIP OF SULLIVAN — CONC. 3 — LOT 23

WELL REC #: 2504249
UTM CO-ORD: Z=17 E507875 N4910810
LAT & LONG: 44=21NORTH 80=54WEST

REC METHOD: STEEL TAPE
REC COMMCD: MAR. 30 1967
MEASURE PT: 2.8 FEET ABOVE GROUND SURFACE
GND ELEV: 1060 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: TOPSOIL 01; BOULDERS 07; SANDY CLAY 10; CLAYEY TILL AND BOULDERS 14; VERY BOULDERY TILL 29; SAND AND GRAVEL 30; DOLOMITE 31.

DIAMETER OF WELL: 2 INCHES
LENGTH OF CASING: 31 FEET
LENGTH OF SCREEN: 3 FEET
DEPTH OF WELL: 31 FEET

PUMP RATE: 20 IGPM
SPEC. CAP: N.A.
AQUIFER : SAND AND GRAVEL
QUALITY : FRESH

1977
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	11/ 18.14									18/ 17.04 23/ 16.94	

ENVIRONMENT ONTARIO
TORONTO
GREY COUNTY

OBSERVATION WELL 192

TOWNSHIP OF SULLIVAN CONC. 3 LOT 23

WELL REC #: 2504250
UTM CO-ORD: Z=17 E507875 N4910810
LAT & LONG: 44=21NORTH 80=54WEST

REC METHOD: STEEL TAPE
REC COMMCD: MAR, 30 1967
MEASURE PT: 2,8 FEET ABOVE GROUND SURFACE
GND ELEV: 1060 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: TOP SOIL 01; BOULDERS 07; SANDY CLAY 10; CLAYEY TILL AND BOULDERS 14; VERY BOULDERY TILL 29; SAND AND GRAVEL 30; DOLOMITE 55.

DIAMETER OF WELL: 2 INCHES
LENGTH OF CASING: 52 FEET
LENGTH OF SCREEN: 3 FEET
DEPTH OF WELL: 55 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : DOLOMITE
QUALITY : FRESH

1977
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	11/ 17,90									18/ 16,82 23/ 16,69	

ENVIRONMENT ONTARIO
TORONTO
GREY COUNTY

OBSERVATION WELL 193

TOWNSHIP OF SULLIVAN CONC. 3 LOT 23

WELL REC #: 2504251
UTM CO-ORD: Z=17 E507875 N4910810
LAT & LONG: 44=21NORTH 80=54WEST

REC METHOD: STEEL TAPE
REC COMMCD: MAR, 30 1967
MEASURE PT: 2,8 FEET ABOVE GROUND SURFACE
GND ELEV: 1060 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: TOPSOIL 01; BOULDERS 07; SANDY CLAY 10; CLAYEY TILL AND BOULDERS 14; VERY BOULDERY TILL 29; SAND AND GRAVEL 30; DOLOMITE 85.

DIAMETER OF WELL: 2 INCHES
LENGTH OF CASING: 82 FEET
LENGTH OF SCREEN: 3 FEET
DEPTH OF WELL: 85 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : DOLOMITE
QUALITY : FRESH

1977
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	11/ 17,99									18/ 16,86 23/ 16,80	

ENVIRONMENT ONTARIO
TORONTO
GREY COUNTY

OBSERVATION WELL 194

TOWNSHIP OF SULLIVAN CONC. 3 LOT 23

WELL REC #: 2503184
UTM CO-ORD: Z=17 E507900 N4910765
LAT & LONG: 44=21NORTH 80=54WEST

REC METHOD: STEEL TAPE
REC COMMCD: MAR 29 1968
MEASURE PT: 3,5 FEET ABOVE GROUND SURFACE
GND ELEV: 1064 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: VERY BOULDERY, BROWN CLAY TILL 39; LIGHT BUFF, FRACTURED DOLOMITE WITH SILT 48; BUFF GREY DOLOMITE, BITUMINOUS AT THE BASE 83; GREY AND TAN DOLOMITE 105; BUFF, LOOSE AND FRACTURED DOLOMITE WITH CLAY AND SILT 154; BUFF GREY DENSER DOLOMITE 192; GREY BROWN DOLOMITE, BITUMINOUS 213; LIGHT GREY DOLOMITE 266; GREY DOLOMITE 304; GREY, POROUS FOSSILEROUS AND CRYSTALLINE DOLOMITE 316.

DIAMETER OF WELL: 6 INCHES
LENGTH OF CASING: 134 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 378 FEET

PUMP RATE: 130 IGPM
SPEC. CAP: 3,17 IGPM/FT
AQUIFER : DOLOMITE
QUALITY : FRESH

1977
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
31/ 21.70										23/ 23,02	

ENVIRONMENT ONTARIO
TORONTO
GREY COUNTY

OBSERVATION WELL 195

TOWNSHIP OF SULLIVAN CONC. 3 LOT 22

WELL REC #: 2504255
UTM CO-ORD: Z=17 E507935 N4910840
LAT & LONG: 44=21NORTH 80=54WEST

REC METHOD: STEEL TAPE
REC COMMCD: APR, 15 1968
MEASURE PT: 3,2 FEET ABOVE GROUND SURFACE
GND ELEV: 1066 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: GREY SANDY SILT TILL BOULDERS 40; BUFF BROKEN WEATHERED DOLOMITE 42; BUFF-GREY DOLOMITE, BITUMINOUS AT THE BASE 85; LIGHT GREY TAN DOLOMITE 115; BUFF-BROWN, LOOSE AND POROUS DOLOMITE WITH CLAY AND SILT 128; TAN-GREY DOLOMITE 178; DARK GREY DOLOMITE 196; BUFF-GREY DOLOMITE, BITUMINOUS 216; LIGHT GREY DOLOMITE 271; GREY DOLOMITE 299; POROUS GREY DOLOMITE, FOSSILIFEROUS 310; LIGHT AND DARK GREY DOLOMITE 344; LIGHT TO GREY DOLOMITE 366; GREY TO BUFFISH GREY DOLOMITE, SOME PYRITE CRYSTALLIZATION 371.

DIAMETER OF WELL: 1,5 INCHES
LENGTH OF CASING: 368 FEET
LENGTH OF SCREEN: 3 FEET
DEPTH OF WELL: 371 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : DOLOMITE
QUALITY : FRESH

1977
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	11/ 23,30									18/ 22,48 23/ 22,44	

ENVIRONMENT ONTARIO
TORONTO
GREY COUNTY

OBSERVATION WELL 196

TOWNSHIP OF SULLIVAN CONC. 3 LOT 22

WELL REC #: 2504254
UTM CO-ORD: Z=17 E507935 N4910840
LAT & LONG: 44=21NORTH 80=54WEST

REC METHOD: STEEL TAPE
REC COMMCD: APR, 15 1967
MEASURE PT: 3,2 FEET ABOVE GROUND SURFACE
GND ELEV: 1066 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: GREY SANDY SILT TILL BOULDERS 40; BUFF BROKEN WEATHERED DOLOMITE 42; BUFF-GREY DOLOMITE, BITUMINOUS AT THE BASE 85; LIGHT GREY TAN DOLOMITE 115; BUFF-BROWN, LOOSE AND POROUS DOLOMITE WITH CLAY AND SILT 128; TAN-GREY DOLOMITE 178; DARK GREY DOLOMITE 196; BUFF-GREY DOLOMITE, BITUMINOUS 216; LIGHT GREY DOLOMITE 271; GREY DOLOMITE 299; POROUS GREY DOLOMITE, FOSSILIFEROUS 306.

DIAMETER OF WELL: 1,5 INCHES
LENGTH OF CASING: 303 FEET
LENGTH OF SCREEN: 3 FEET
DEPTH OF WELL: 306 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : DOLOMITE
QUALITY : FRESH

1977
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	11/ 23,66									18/ 22,52 23/ 22,38	

ENVIRONMENT ONTARIO
TORONTO
GREY COUNTY

OBSERVATION WELL 197

TOWNSHIP OF SULLIVAN CONC, 3 LOT 23

WELL REC #: 2504256
UTM CO-ORD: Z=17 E508510 N4910380
LAT & LONG: 44-22NORTH 80-54WEST

REC METHOD: STEEL TAPE
REC COMMCD: APR, 6 1967
MEASURE PT: 2,8 FEET ABOVE GROUND SURFACE
GND ELEV: 1161 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: TOPSOIL 01; VERY BOULDERY TILL 07; SANDY, GRAVELLY TILL 38; COARSE SAND AND FINE GRAVEL 53.

DIAMETER OF WELL: 2 INCHES
LENGTH OF CASING: 50 FEET
LENGTH OF SCREEN: 3 FEET
DEPTH OF WELL: 53 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : SAND AND GRAVEL
QUALITY : FRESH

1977
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
										18/ 45,76 23/ 46,43	

ENVIRONMENT ONTARIO
TORONTO
GREY COUNTY

OBSERVATION WELL 198

TOWNSHIP OF SULLIVAN CONC, 3 LOT 23

WELL REC #: 2504257
UTM CO-ORD: Z=17 E508510 N4910380
LAT & LONG: 44-22NORTH 80-54WEST

REC METHOD: STEEL TAPE
REC COMMCD: APR, 6 1967
MEASURE PT: 2,8 FEET ABOVE GROUND SURFACE
GND ELEV: 1161 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: TOPSOIL 01; VERY BOULDERY TILL 07; SANDY, GRAVELLY TILL 38; COARSE SAND AND FINE GRAVEL 55; FINE SAND 74; SANDY SILT 80; SILTY CLAY 94; FINE SAND 96; SILTY CLAY 112; FINE SAND 120; COARSE GRAVEL 124; SANDY SILT 128; COARSE GRAVEL 130; DOLOMITE GUELPH FORMATION 132.

DIAMETER OF WELL: 2 INCHES
LENGTH OF CASING: 129 FEET
LENGTH OF SCREEN: 3 FEET
DEPTH OF WELL: 132 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : DOLOMITE
QUALITY : FRESH

1977
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
										18/101,72 23/101,60	

ENVIRONMENT ONTARIO
TORONTO
GREY COUNTY

OBSERVATION WELL 199

TOWNSHIP OF SULLIVAN CONC, 3 LOT 23

WELL REC #: 2504258
UTM CO-ORD: Z=17 E508510 N4910380
LAT & LONG: 44-22NORTH 80-54WEST

REC METHOD: STEEL TAPE
REC COMMCD: APR, 6 1967
MEASURE PT: 2,8 FEET ABOVE GROUND SURFACE
GND ELEV: 1161 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: TOPSOIL 01; VERY BOULDERY TILL 07; SANDY, GRAVELLY TILL 38; COARSE SAND AND FINE GRAVEL 55; FINE SAND 74; SANDY SILT 80; SILTY CLAY 94; FINE SAND 96; SILTY CLAY 112; FINE SAND 120; COARSE GRAVEL 124; SANDY SILT 128; COARSE GRAVEL 130; DOLOMITE GUELPH FORMATION 163.

DIAMETER OF WELL: 2 INCHES
LENGTH OF CASING: 160 FEET
LENGTH OF SCREEN: 3 FEET
DEPTH OF WELL: 163 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : DOLOMITE
QUALITY : FRESH

1977
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
										18/100,80 23/100,80	

ENVIRONMENT ONTARIO
TORONTO
GREY COUNTY

OBSERVATION WELL 200

TOWNSHIP OF SULLIVAN CONC, 3 LOT 23

WELL REC #: 2504259
UTM CO-ORD: Z=17 E507240 N4910150
LAT & LONG: 44-22NORTH 80-54WEST

REC METHOD: STEEL TAPE
REC COMMCD: MAR, 31 1967
MEASURE PT: 2,9 FEET ABOVE GROUND SURFACE
GND ELEV: 1036 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: TOPSOIL 02; SANDY GRAVELLY TILL, SOME BOULDERS 24; WEATHERED DOLOMITE, BROKEN ROCK 29.

DIAMETER OF WELL: 2 INCHES
LENGTH OF CASING: 29 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 29 FEET

PUMP RATE: FLOWING
SPEC. CAP: N.A.
AQUIFER : BROKEN ROCK
QUALITY : FRESH

1977
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	11/ 8,44									18/ 2,71 23/ 2,23	

ENVIRONMENT ONTARIO
TORONTO
GREY COUNTY

OBSERVATION WELL 201

TOWNSHIP OF SULLIVAN CONC, 3 LOT 23

WELL REC #: 2504260
UTM CO-ORD: Z=17 E507240 N4910150
LAT & LONG: 44-22NORTH 80-54WEST

REC METHOD: STEEL TAPE
REC COMMCD: MAR, 31 1967
MEASURE PT: 2,9 FEET ABOVE GROUND SURFACE
GND ELEV: 1036 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: TOPSOIL 02; SANDY GRAVELLY TILL, SOME BOULDERS 24; WEATHERED DOLOMITE, BROKEN ROCK 29; DOLOMITE GUELPH FORMATION 47.

DIAMETER OF WELL: 2 INCHES
LENGTH OF CASING: 44 FEET
LENGTH OF SCREEN: 3 FEET
DEPTH OF WELL: 47 FEET

PUMP RATE: FLOWING
SPEC. CAP: N.A.
AQUIFER : DOLOMITE
QUALITY : FRESH

1977
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	11/ 3,13									18/ 0,20 23/ -0,41	

ENVIRONMENT ONTARIO
TORONTO
GREY COUNTY

OBSERVATION WELL 202

TOWNSHIP OF SULLIVAN CONC. 3 LOT 23

WELL REC #: 2504261
UTM CO-ORD: Z=17 E507240 N4910150
LAT & LONG: 44-22NORTH 80-54WEST

REC METHOD: STEEL TAPE
REC COMMCD: MAR, 31 1967
MEASURE PT: 2,9 FEET ABOVE GROUND SURFACE
GND ELEV: 1036 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: TOPSOIL 02; SANDY GRAVELLY TILL, SOME BOULDERS 24; WEATHERED DOLOMITE, BROKEN ROCK 29; DOLOMITE GUELPH FORMATION 47; DOLOMITE LOCKPORT FORMATION 75.

DIAMETER OF WELL: 2 INCHES
LENGTH OF CASING: 72 FEET
LENGTH OF SCREEN: 3 FEET
DEPTH OF WELL: 75 FEET

PUMP RATE: FLOWING
SPEC. CAP: N.A.
AQUIFER : DOLOMITE
QUALITY : FRESH

1977
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	11/ 4,55									18/ 0,80 23/ 0,12	

ENVIRONMENT ONTARIO
TORONTO
GREY COUNTY

OBSERVATION WELL 203

TOWNSHIP OF SULLIVAN CONC. 3 LOT 23

WELL REC #: 2504262
UTM CO-ORD: Z=17 E507130 N4911300
LAT & LONG: 44-22NORTH 80-54WEST

REC METHOD: STEEL TAPE
REC COMMCD: MAR, 23 1967
MEASURE PT: 2,65 FEET ABOVE GROUND SURFACE
GND ELEV: 1020 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: TOPSOIL 01; SANDY, GRAVELLY TILL, SOME BOULDERS 31; BUFF DOLOMITE, GUELPH FORMATION 33.

DIAMETER OF WELL: 2 INCHES
LENGTH OF CASING: 33 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 33 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : DOLOMITE
QUALITY : FRESH

1977
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	11/ 7,25									18/ 4,05 23/ 4,54	

ENVIRONMENT ONTARIO
TORONTO
GREY COUNTY

OBSERVATION WELL 204

TOWNSHIP OF SULLIVAN CONC. 3 LOT 22

WELL REC #: 2504263
UTM CO-ORD: Z=17 E507130 N4911300
LAT & LONG: 44-22NORTH 80-54WEST

REC METHOD: STEEL TAPE
REC COMMCD: MAR, 23 1967
MEASURE PT: 2,65 FEET ABOVE GROUND SURFACE
GND ELEV: 1020 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: TOPSOIL 01; SANDY GRAVELLY TILL, FEW BOULDERS 31; BUFF DOLOMITE, GUELPH FORMATION 43; LIGHT BROWN DOLOMITE, LOCKPORT FORMATION 49.

DIAMETER OF WELL: 2 INCHES
LENGTH OF CASING: 46 FEET
LENGTH OF SCREEN: 3 FEET
DEPTH OF WELL: 49 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : DOLOMITE
QUALITY : FRESH

1977
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	11/ 12,48									18/ 9,65 23/ 9,51	

ENVIRONMENT ONTARIO
TORONTO
GREY COUNTY

OBSERVATION WELL 205

TOWNSHIP OF SULLIVAN CONC. 3 LOT 22

WELL REC #: 2504264
UTM CO-ORD: Z=17 E507130 N4911300
LAT & LONG: 44-22NORTH 80-54WEST

REC METHOD: STEEL TAPE
REC COMMCD: MAR, 23 1967
MEASURE PT: 2,65 FEET ABOVE GROUND SURFACE
GND ELEV: 1020 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: TOPSOIL 01; SANDY GRAVELLY TILL, FEW BOULDERS 31; BUFF DOLOMITE, GUELPH FORMATION 43; LIGHT BROWN DOLOMITE, LOCKPORT FORMATION 72.

DIAMETER OF WELL: 2 INCHES
LENGTH OF CASING: 69 FEET
LENGTH OF SCREEN: 3 FEET
DEPTH OF WELL: 72 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : DOLOMITE
QUALITY : FRESH

1977
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	11/ 12,33									18/ 10,95 23/ 10,68	

ENVIRONMENT ONTARIO
TORONTO
GREY COUNTY

OBSERVATION WELL 211

TOWNSHIP OF SULLIVAN CONC. 3 LOT 22

WELL REC #: 2504253
UTM CO-ORD: Z=17 E507935 N4910840
LAT & LONG: 44-22NORTH 80-54WEST

REC METHOD: STEEL TAPE
REC COMMCD: APR, 15 1968
MEASURE PT: 3,2 FEET ABOVE GROUND SURFACE
GND ELEV: 1066 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: BROWN SANDY SILT, BOULDERS 40; BUFF BROKEN WEATHERED DOLOMITE 42; BUFF GREY DOLOMITE BITUMINOUS AT THE BASE 85; LIGHT GREY TAN DOLOMITE 115; BUFF BROWN LOOSE AND POROUS DOLOMITE WITH CLAY AND SILT 128; TAN GREY DOLOMITE 178; DARK GREY DOLOMITE 196; BUFF GREY DOLOMITE, BITUMINOUS 216; LIGHT GREY DOLOMITE 240.

DIAMETER OF WELL: 1,5 INCHES
LENGTH OF CASING: 237 FEET
LENGTH OF SCREEN: 3 FEET
DEPTH OF WELL: 240 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : DOLOMITE
QUALITY : FRESH

1977
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	11/ 23,64									18/ 22,52 23/ 22,22	

ENVIRONMENT ONTARIO
TORONTO
GREY COUNTY

OBSERVATION WELL 212

TOWNSHIP OF SULLIVAN CONC. 3 LOT 22

WELL REC #: 2504252
UTM CO-ORD: Z-17 E507935 N4910840
LAT & LONG: 44-22NORTH 80-54WEST

REC METHOD: STEEL TAPE
REC COMMCD: APR, 15 1968
MEASURE PT: 5.2 FEET ABOVE GROUND SURFACE
GND ELEV: 1066 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: BROWN SANDY SILT, BOULDERS 40; BUFF BROKEN WEATHERED DOLOMITE 42; BUFF GREY DOLOMITE BITUMINOUS AT THE BASE 85; LIGHT GREY TAN DOLOMITE 115; BUFF BROWN LOOSE AND POROUS DOLOMITE WITH CLAY AND SILT 127.

DIAMETER OF WELL: 1.5 INCHES
LENGTH OF CASING: 124 FEET
LENGTH OF SCREEN: 3 FEET
DEPTH OF WELL: 127 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : DOLOMITE
QUALITY : FRESH

1977
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	11/ 23.63									18/ 22.34 23/ 22.28	

ENVIRONMENT ONTARIO
TORONTO
HURON COUNTY

OBSERVATION WELL 351

TOWNSHIP OF MORRIS CONC 8 LOT 26

WELL REC #: 3002706
UTM CO-ORD: Z-17 E476405 N4840820
LAT & LONG: 43-44NORTH 81-18WEST

REC METHOD: A35 RECORDER
REC COMMCD: JAN 1 1972
MEASURE PT: 3.00 FEET ABOVE GROUND SURFACE
GND ELEV: 1142 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: BLACK MUCK 5; GREY QUICKSAND AND BOULDERS 41; GREY CLAY AND STONES 46; GREY CLAY, STONES AND HARDPAN 64; LIMESTONE 150.

DIAMETER OF WELL: 5 INCHES
LENGTH OF CASING: 147 FEET
LENGTH OF SCREEN: 3 FEET
DEPTH OF WELL: 150 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : LIMESTONE
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	24.90	25.10	25.05	22.89	23.63	24.54	25.69	27.08	25.85	24.68	24.16		1
2	25.16	25.31	25.13	22.46	23.67	24.74	25.97	27.17	25.80	24.67	24.17		2
3	25.09	24.95	25.12	22.75	23.79	24.99	26.05	27.18	25.79	24.66	24.19		3
4	25.03	24.91	24.69	22.49	23.65	24.97	26.03	27.23	25.68	24.59	24.32		4
5	25.10	24.98	24.73	22.19	23.47	24.87	26.05	27.24	25.56	24.41	24.39		5
6	24.96	25.29	24.88	22.69	23.58	24.77	25.99	27.24	25.63	24.39	24.27		6
7	24.83	25.43	24.82	22.81	23.79	24.81	25.99	27.22	25.64	24.45	24.13		7
8	25.06	25.41	24.77	22.98	23.73	24.80	26.11	27.16	25.62	24.42	24.13		8
9	25.13	25.17	24.60	22.99	23.83	24.98	26.26	27.20	25.42	23.87	24.16		9
10	24.66	25.23	24.61	22.86	23.86	25.14	26.38	27.09	25.42	24.07	23.97		10
11	25.01	25.14	24.62	22.79	23.95	25.08	26.32	27.12	25.60	23.98	24.02		11
12	25.19	25.06	24.27	22.85	23.95	25.08	26.24	27.14	25.58	23.96	24.33		12
13	25.26	24.74	23.82	22.74	23.94	25.22	26.34	27.04	25.40	24.16	24.47		13
14	24.96	24.96	23.78	22.86	24.03	25.25	26.48	27.04	25.50	24.04	24.29		14
15	24.90	25.19	23.54	22.91	24.16	25.30	26.46	27.19	25.71	23.81	24.01		15
16	24.94	25.27	23.36	22.94	24.22	25.28	26.51	26.97	25.62	23.84	23.85		16
17	24.85	25.22	23.28	22.95	24.19	25.17	26.51	26.78	25.54	23.82	23.78		17
18	24.89	25.06	22.83	22.95	24.18	25.13	26.56	26.77	25.42	23.70	23.87		18
19	24.85	25.05	23.05	22.98	24.28	25.19	26.55	26.68	25.35	23.82	24.17		19
20	24.91	25.08	22.86	23.08	24.32	25.25	26.60	26.56	25.34	24.00	24.10		20
21	24.99	25.07	22.99	23.12	24.36	25.44	26.69	26.30	25.49	24.01	23.93		21
22	25.20	24.93	22.80	23.17	24.40	25.54	26.87	26.14	25.54	24.09	24.10		22
23	25.16	25.11	22.92	23.19	24.48	25.59	26.89	26.15	25.45	24.26			23
24	24.90	24.78	23.06	23.09	24.52	25.54	26.81	26.14	25.27	24.18			24
25	24.77	24.80	23.11	23.07	24.53	25.44	26.75	26.20	25.13	24.06			25
26	24.62	25.09	23.12	23.15	24.53	25.54	27.02	26.09	24.91	23.93			26
27	24.62	24.90	22.96	23.17	24.51	25.62	27.12	25.99	24.91	23.96			27
28	24.66	25.05	22.72	23.40	24.46	25.56	27.12	25.97	24.99	24.10			28
29	24.83		22.67	23.61	24.69	25.55	27.03	25.94	24.98	24.23			29
30	24.98		22.85	23.66	24.80	25.71	27.04	25.97	24.87	24.24			30
31	24.93		22.76		24.70		27.02	25.91		24.21			31
					-MONTHLY SUMMARY-								
MEAN	24.95	25.08	23.73	22.96	24.14	25.20	26.50	26.71	25.43	24.14			MEAN
INST MAX	24.41 (26)	24.68 (13)	22.56 (30)	22.08 (5)	23.44 (5)	24.49 (1)	25.61 (1)	25.85 (31)	24.82 (30)	23.67 (18)			INST MAX
INST MIN	25.32 (13)	25.48 (8)	25.20 (3)	23.69 (30)	24.83 (30)	25.79 (30)	27.17 (27)	27.25 (4)	25.87 (1)	24.82 (1)			INST MIN

ENVIRONMENT ONTARIO
TORONTO
KENT COUNTY

OBSERVATION WELL 172

TOWN OF ROTHWELL CONC. - LOT -

WELL REC #: 3300023
UTM CO-ORD: Z-17 E428050 N4720550
LAT & LONG: 42-38NORTH 81-53WEST

REC METHOD: A35 RECORDER
REC COMMCD: JUN. 5 1966
MEASURE PT: 2.4 FEET ABOVE GROUND SURFACE
GND ELEV: 682 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: BROWN FINE SAND 10; BROWN FINE SILTY SAND 15; BROWN AND GREY FINE SAND WITH SOME FINE GRAVEL, COARSE SAND SEAMS 20; GREY SILTY FINE SAND 28; GREY COARSE SAND AND FINE TO MEDIUM GRAVEL 34; GREY SILTY CLAY TILL 35.

DIAMETER OF WELL: 6 INCHES
LENGTH OF CASING: 30 FEET
LENGTH OF SCREEN: 4 FEET
DEPTH OF WELL: 34 FEET

PUMP RATE: 30 IGPM
SPEC. CAP: 2.29 IGPM/FT
AQUIFER : SAND AND GRAVEL
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.87	5.36	3.83			4.64	5.60	6.18	6.62	5.33			1
2	4.91	5.38	3.92			4.65	5.62	6.20	6.63	5.33			2
3	4.93	5.38	3.97			4.70	5.64	6.22	6.64	5.34			3
4	4.95	5.39	3.79			4.73	5.66	6.24	6.64	5.34			4
5	4.96	5.40	3.33			4.78	5.69	6.26	6.67	5.35			5
6	4.98	5.40	3.36			4.77	5.70	6.27	6.70	5.37			6
7	5.00	5.40	3.45			4.71	5.70	6.29	6.71	5.41			7
8	5.02	5.41	3.49			4.76	5.69	6.30	6.71	5.43			8
9	5.03	5.43	3.44			4.81	5.69	6.32	6.73	5.24			9
10	5.06	5.48	3.31			4.86	5.71	6.34	6.73	4.89			10
11	5.10	5.48				4.90	5.73	6.35	6.74	4.82			11
12	5.11	5.48				4.95	5.75	6.36	6.76	4.81			12
13	5.12	5.13				4.98	5.76	6.37	6.77	4.82			13
14	5.13	5.07				5.01	5.79	6.37	6.78	4.83			14
15	5.13	5.03				5.06	5.83	6.38	6.79	4.84			15
16	5.14	5.00				5.10	5.86	6.39	6.79	4.87			16
17	5.15	5.00				5.13	5.87	6.39	6.75	4.88			17
18	5.16	5.03			3.80	5.16	5.87	6.41	6.72	4.88			18
19	5.19	5.11			3.84	5.20	5.87	6.42	6.60	4.91			19
20	5.21	5.14			3.94	5.24	5.90	6.43	6.40	4.96			20
21	5.21	5.17			4.03	5.28	5.92	6.45	6.22	4.99			21
22	5.22	5.22			4.10	5.33	5.96	6.46	6.11	5.04		2.84	22
23	5.23	5.22			4.14	5.36	5.99	6.49	6.05	5.06		2.94	23
24	5.24	4.75			4.19	5.39	6.01	6.51	6.01	5.07		2.89	24
25	5.23	4.11			4.27	5.43	6.03	6.52	5.98	5.09		2.45	25
26	5.24	3.90			4.32	5.47	6.05	6.53	5.90			2.87	26
27	5.24	3.74			4.39	5.49	6.08	6.55	5.61			3.13	27
28	5.26	3.74			4.46	5.52	6.11	6.56	5.39			3.29	28
29	5.27				4.53	5.56	6.12	6.57	5.34			3.39	29
30	5.28				4.59	5.58	6.14	6.58	5.33			3.44	30
31	5.32				4.63		6.15	6.60				3.46	31
					-MONTHLY SUMMARY-								
MEAN	5.13	5.05				5.08	5.85	6.40	6.39				MEAN
INST MAX	4.86 (1)	3.72 (28)				4.64 (1)	5.59 (1)	6.17 (1)	5.33 (30)				INST MAX
INST MIN	5.34 (31)	5.08 (11)				5.59 (30)	6.17 (31)	6.62 (31)	6.79 (16)				INST MIN

ENVIRONMENT ONTARIO
TORONTO
KENT COUNTY

OBSERVATION WELL 217

TOWNSHIP OF CAMDEN GORE 3 LOT 2

WELL REC #: 3305579
UTM CO-ORD: Z-17 E401725 N4715000
LAT & LONG: 42-35NORTH 82-12WEST

REC METHOD: A35 RECORDER
REC COMMCD: SEP. 24 1968
MEASURE PT: 1.22 FEET ABOVE GROUND SURFACE
GND ELEV: 595 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: CLAY 48; CLAY AND GRAVEL 53; SAND, GRAVEL AND BOULDERS 66; GRAVEL AND CLAY 75; HARDPAN AND GRAVEL 95; GRAVEL AND CLAY 105; GRAVEL 150.

DIAMETER OF WELL: 10 INCHES
LENGTH OF CASING: 150 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 150 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : GRAVEL
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	88.26			88.08	87.89								1
2	88.57			87.53	87.82								2
3	88.41			87.74	87.98								3
4	88.36			87.55	87.70								4
5	88.42			86.98	87.40								5
6	88.23			87.68	87.47								6
7	88.06			87.95	87.74								7
8	88.34			88.23	87.42								8
9	88.33			88.32	87.74								9
10	87.62			88.10	87.75								10
11	88.32		88.23	88.01	87.77								11
12	88.55		88.00	88.10	87.74								12
13	88.63		87.59	87.91	87.62								13
14	88.14		87.80	88.00	87.65								14
15	88.07		87.84	88.05	87.78								15
16	88.17		87.82	88.04	87.83								16
17	88.13		87.99	87.98	87.74								17
18	88.08		87.39	87.91	87.64								18
19	88.02		87.84	87.84	87.73								19
20	88.07		87.67	87.91	87.73								20
21	88.20		87.99	87.93	87.73								21
22	88.51		87.65	87.91	87.73							86.42	22
23	88.55		87.93	87.87	87.79							86.42	23
24	88.12		88.16	87.65	87.80							86.31	24
25	87.86		88.25	87.50	87.74							86.20	25
26	87.69		88.25	87.55	87.67							86.45	26
27	87.57		88.03	87.49	87.55							86.64	27
28			87.60	87.64	87.34							86.73	28
29			87.48	87.99	87.48							86.70	29
30			87.57	87.98								86.70	30
31			87.73									86.88	31
				-MONTHLY SUMMARY-									
MEAN				87.85									MEAN
INST MAX				86.89 (5)									INST MAX
INST MIN				88.40 (8)									INST MIN

ENVIRONMENT ONTARIO
TORONTO
LAMBTON COUNTY

OBSERVATION WELL 207

VILLAGE OF ALVINSTON CONC = LOT =

WELL REC #: 3400030
UTM CO-ORD: Z=17 E429160 N4740965
LAT & LONG: 42=09NORTH 81=53WEST

REC METHOD: A35 RECORDER
REC COMMCD: JUN 26 1967
MEASURE PT: 2.8 FEET ABOVE GROUND SURFACE
GND ELEV: 720 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: SAND 18; BLUE CLAY 75; SHALE GRAVEL 76; BLACK SHALE 78.

DIAMETER OF WELL: 7 INCHES
LENGTH OF CASING: 78 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 78 FEET

PUMP RATE: 20 IGPM
SPEC. CAP: 2.66 IGPM/FT
AQUIFER : SHALE
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1			37.17	37.20	37.17	37.43	36.21	35.14	35.07	35.38			1
2			37.33	36.64	37.13	37.73	36.25	35.25	35.15	35.44			2
3			37.29	36.75	37.30	38.22	36.31	35.24	35.18	35.23			3
4			36.73	36.75	37.22	38.13	36.15	35.14	35.09	35.07			4
5			36.77	36.27	37.21	37.83	36.12	35.11	35.28	35.10			5
6			36.99	36.78	37.12	37.47	35.89	35.11	35.17	35.06			6
7			37.00	37.08	37.26	37.56	35.80	35.01	35.04	34.86			7
8			37.04	37.18	37.09	37.73	35.81	34.83	35.03	35.19			8
9			36.89	37.30	37.16	37.68	35.87	34.86	35.14	35.52			9
10			36.99	37.15	37.27	37.68	35.96	34.87	35.32	35.31			10
11			37.13	37.09	37.62	37.49	35.76	34.88	35.10	34.94			11
12			37.08	37.20	37.50	37.50	35.62	34.96	34.99	34.82			12
13			36.80	37.11	37.26	37.41	35.69	34.83	34.93	35.07			13
14			36.92	37.15	37.20	37.23	34.94	34.75	34.84	35.08			14
15			36.98	37.18	37.37	37.12	35.90	34.95	35.33	34.66			15
16			36.92	37.18	37.69	36.98	35.92	34.89	35.34	34.57			16
17			37.03	37.42	37.72	36.69	36.06	34.67	35.36	34.57			17
18			36.38	37.24	37.85	36.59	35.83	34.76	35.25	34.41			18
19			37.05	37.19	37.78	36.49	35.79	34.88	34.87	34.56			19
20			36.84	37.26	38.21	36.44	35.69	35.01	34.76	34.93			20
21			37.05	37.25	38.32	36.47	35.62	35.10	34.93	35.18			21
22			36.66	37.18	38.14	36.84	35.68	35.26	35.25	35.15		34.24	22
23		37.25	36.90	37.06	38.07	36.80	35.67	34.98	35.17	35.30		34.09	23
24		36.81	37.07	36.87	38.18	36.53	35.47	34.95	34.98	35.27		33.88	24
25		36.81	37.09	36.74	38.00	36.88	35.27	35.04	34.75	35.27			25
26		37.11	37.08	36.79	38.13	36.62	35.54	35.07	34.64	35.15			26
27		36.81	36.93	36.80	38.13	36.64	35.72	35.08	34.72	34.91			27
28		37.14	36.57	36.96	38.06	37.00	35.67	35.07	34.96	34.82			28
29			36.57	37.30	38.01	36.69	35.40	35.10	35.00	34.69			29
30			36.75	37.22	37.99	36.52	35.29	35.11	35.16	34.58			30
31			36.83		37.85		35.24	35.14					31
					=MONTHLY SUMMARY=								
MEAN			36.93	37.04	37.65	37.15	35.74	35.00	35.06				MEAN
INST MAX			36.15 (18)	36.15 (5)	36.98 (8)	36.32 (24)	34.37 (14)	34.64 (17)	34.46 (26)				INST MAX
INST MIN			37.43 (2)	37.50 (17)	38.58 (21)	38.34 (3)	36.35 (3)	35.36 (22)	35.52 (15)				INST MIN

ENVIRONMENT ONTARIO
TORONTO
LAMBTON COUNTY

OBSERVATION WELL 056

TOWN OF FOREST CONC = LOT =

WELL REC #: 3404047
UTM CO-ORD: Z=17 E431500 N4771920
LAT & LONG: 43=06NORTH 82=00WEST

REC METHOD: IFI TYPE RECORDER
REC COMMCD: MAY 8 1950
MEASURE PT: 1.67 FEET ABOVE GROUND SURFACE
GND ELEV: 700 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: CLAY 110.

DIAMETER OF WELL: 6 INCHES
LENGTH OF CASING: 110 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 110 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : CLAY
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1					95.69	99.01	98.96	97.66	98.14	96.84	96.96		1
2					95.67	99.29		97.82	98.11	97.23	96.99		2
3					95.89	99.09		97.88	98.08	97.56	97.08		3
4								97.70	97.88	97.79	97.19		4
5		95.82					99.14	97.72	97.76	97.70	97.54		5
6		96.13				98.99	98.92	97.75	97.91				6
7		96.41	95.51		95.81	99.10	98.77		98.04		96.82		7
8	96.32		95.57		95.66	98.96	98.83	97.37	98.03	97.35	96.90		8
9	96.35		95.22		95.83	99.09		97.65	97.90	97.24	97.06		9
10	95.70		95.44	94.64	95.93			97.43	97.88	97.52		96.99	10
11	96.18			94.98	96.07	99.26	98.71	97.55	98.09	97.37	96.75	96.84	11
12				94.45	96.26	99.18	98.51	97.62	98.13			96.52	12
13				94.20	96.56	99.21	98.56	97.42	97.76				13
14		95.62		94.76		99.22	98.65	97.47	97.85		96.90		14
15		96.02		95.65		99.23		97.67	98.07		96.60		15
16				95.12	96.96	99.21		97.81	97.94				16
17				94.66	97.24			97.56	97.77				17
18				94.66	97.31	99.03	98.35	97.77	97.45				18
19				95.13	97.31	98.69	98.15	97.57	97.35	96.88	97.06	98.02	19
20			95.14		97.91	98.65	98.24	97.69	97.46	97.07	96.87	97.49	20
21			95.31		98.12	98.94	98.31	97.46		97.27		97.59	21
22			95.08		98.31	99.15	98.32	97.31		97.39		97.72	22
23			95.25	94.95	98.50	99.31	98.32	97.58		97.54		97.74	23
24				94.63	98.74	99.17	97.89	97.76	97.43	97.45			24
25					98.90	98.91	97.74	97.95	97.21	97.21			25
26		95.50			99.01	99.00	98.15	98.04	97.16	97.09	96.20		26
27		95.33	94.83		98.98	99.03	98.26	97.91	97.23		96.55		27
28			94.38			99.00	98.13	98.22	97.33		96.61		28
29			94.52		99.00	99.04	97.86	98.14			97.27		29
30			94.36	95.69	99.66	99.11		98.23			96.80		30
31					99.53		97.60	98.22		97.02		98.37	31
					=MONTHLY SUMMARY=								
MEAN													MEAN
INST MAX													INST MAX
INST MIN													INST MIN

ENVIRONMENT ONTARIO
TORONTO
MIDDLESEX COUNTY

OBSERVATION WELL 206

TOWNSHIP OF CARADOC RANGE 1 N LOT 15

WELL REC #: 4106020
UTM CO-ORD: Z=17 E460700 N4747920
LAT & LONG: 42=53NORTH 81=29WEST

REC METHOD: TEL TYPE RECORDER
REC COMMCD: JUN 27 1967
MEASURE PT: 3.25 FEET ABOVE GROUND SURFACE
GND ELEV: 780 FEET ABOVE SEA LEVEL
WELL TYPE: DUG
WELL LOG: OVERBURDEN 22.

DIAMETER OF WELL: 72 INCHES
LENGTH OF CASING: 22 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 22 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : OVERBURDEN
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.59	5.17	3.95	1.77	3.24	5.13	5.93		6.60	4.60	4.53		1
2	4.64	5.17	3.88	1.77		5.16	6.74		6.61	4.56	4.55		2
3	4.68	5.17	3.90	1.12	3.40	5.31	7.65	6.37	6.62	4.54	4.57		3
4	4.71	5.21	3.64		3.48	6.74	7.31	6.40	6.63	4.55	4.59		4
5	4.74	5.26	2.03		3.44	7.17	6.90	6.43	6.63	4.56	4.61		5
6	4.77	5.28	2.14		3.48	6.66	6.64	6.42	6.64	4.58	4.62		6
7	4.79	5.29	2.36		3.57	6.28	6.44	6.43	6.65	4.62	4.62		7
8	4.82	5.30	2.26		3.65	6.03	6.26	6.42	6.65	4.60	4.60		8
9	4.85	5.31	0.99		3.73	5.86	6.14	6.42	6.67	4.36	4.58	3.12	9
10	4.87	5.31	0.72		3.80	5.77	6.04	6.41	6.70	4.17	4.49	3.22	10
11	4.89	5.31	0.98		3.87	5.72	5.97	6.41	6.71	4.09	4.32	3.26	11
12	4.92	5.28	0.90		3.95	5.66	5.94	6.41	6.73	4.05	4.18	3.26	12
13	4.94	5.22	0.17		4.01	5.63	5.93	6.40	6.71	4.06	4.09	3.22	13
14	4.96	5.15	0.35		4.25	5.63	5.96	6.38	6.69	4.08	4.01	1.65	14
15	4.97	5.08	0.63	3.20	4.57	5.62	6.03	6.38	6.68	4.09	3.94	0.84	15
16	4.99	5.03	1.02	3.29	4.55	5.63	6.14	6.39	6.66	4.11	3.79	0.95	16
17	5.01	4.99	1.38	3.37	4.48	5.65	6.18	6.40	6.63	4.12	3.57	1.08	17
18	5.03	4.95	1.61	3.41	4.47	5.67	6.14	6.41	6.59	4.15	3.50	1.02	18
19	5.06	4.94	1.89	3.43	4.46	5.68	6.13	6.44	6.50	4.19	3.50	0.91	19
20	5.08	4.93	1.97	3.46	4.48	5.71	6.14	6.46	6.23	4.23	3.52	0.91	20
21	5.10	4.92	2.13	3.50	4.51	5.73	6.17	6.46	6.02		3.43	1.02	21
22	5.11	4.92	1.83	3.41	4.55	5.75	6.18	6.47	5.86		3.39	1.40	22
23	5.13	4.92	2.05	2.02	4.60	5.77	6.19	6.50	5.74		3.40	1.68	23
24	5.14	4.86	2.22	1.74	4.80	5.79	6.27	6.51	5.61		3.34	1.81	24
25	5.16	4.62	2.48	1.92	4.94	5.80	6.42	6.53	5.34	4.35	3.30	1.25	25
26	5.16	4.48	2.52	1.79	4.90	5.81	6.66	6.54	4.99	4.37		2.44	26
27	5.16	4.31	2.44	2.23	4.97	5.84	6.69	6.54	4.81	4.39		3.12	27
28	5.16	4.08	1.60	2.63	4.99	5.87	6.57	6.54	4.74	4.42		3.49	28
29	5.16		0.81	2.90	5.03	5.86	6.52	6.55	4.69	4.44		3.72	29
30	5.16		1.24	3.09	5.07	5.84		6.58	4.64	4.47		3.84	30
31	5.17		1.46		5.10			6.59		4.50		3.92	31
					=MONTHLY SUMMARY=								
MEAN	4.97	5.02	1.86			5.83			6.17				MEAN
INST MAX	4.57 (1)	4.00 (28)	0.09 (13)			5.12 (1)			4.62 (30)				INST MAX
INST MIN	5.17 (31)	5.31 (10)	4.00 (1)			7.64 (4)			6.73 (12)				INST MIN

ENVIRONMENT ONTARIO
TORONTO
MIDDLESEX COUNTY

OBSERVATION WELL 100

TOWNSHIP OF LOBO CONC. 2 LOT 5

WELL REC #: 4106413
UTM CO-ORD: Z=17 E464840 N4755200
LAT & LONG: 81=27NORTH 42=55WEST

REC METHOD: TEL TYPE RECORDER
REC COMMCD: MAY 16 1963
MEASURE PT: 0.25 FEET ABOVE GROUND SURFACE
GND ELEV: 802 FEET ABOVE SEA LEVEL
WELL TYPE: DUG
WELL LOG: BROWN SAND AND GRAVEL 22.

DIAMETER OF WELL: 36 INCHES
LENGTH OF CASING: 22 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 22 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : SAND AND GRAVEL
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	14.38	14.65	14.51			13.01	13.68			14.39	14.71		1
2	14.39	14.66	14.50			13.03	13.71			14.40	14.72		2
3	14.39	14.66	14.50			13.06	13.73			14.41	14.74		3
4	14.40	14.67	14.47		12.52	13.07	13.75			14.43	14.75		4
5	14.41	14.67	14.25		12.52		13.76			14.45	14.76		5
6	14.42	14.67	14.09		12.54		13.78			14.46	14.76		6
7	14.43	14.67	14.04		12.58		13.78			14.48	14.77		7
8	14.43	14.68	14.02		12.58		13.76			14.46	14.77		8
9	14.44	14.70	13.98		12.62		13.79			14.37	14.78		9
10	14.44	14.71	13.81		12.63		13.81			14.32	14.77		10
11	14.45	14.71	13.56		12.65		13.82			14.29	14.73		11
12	14.46	14.71	13.43		12.67		13.84			14.27	14.73		12
13	14.46	14.70	13.28		12.68		13.86			14.25	14.73		13
14	14.47	14.69	13.18		12.70		13.88			14.24	14.73		14
15	14.47	14.70	13.14		12.73		13.90			14.23	14.73		15
16	14.48	14.70	13.13		12.75		13.83			14.24	14.71		16
17	14.48	14.72	13.16		12.76		13.82			14.24	14.68		17
18	14.49	14.73	13.15		12.76		13.84			14.25	14.67		18
19	14.50	14.73	13.20		12.77		13.87			14.27	14.65		19
20	14.51	14.74			12.79		13.89			14.28	14.63		20
21	14.53	14.75			12.80		13.92			14.29	14.60		21
22	14.54	14.76			12.82		13.94		14.66	14.30	14.59		22
23		14.76			12.84		13.96		14.68	14.31	14.57		23
24		14.73			12.86		13.99		14.68		14.55		24
25		14.63			12.87		14.00		14.60		14.53		25
26		14.59			12.89		14.03		14.53		14.52		26
27	14.63	14.57			12.90		14.05		14.49		14.50		27
28	14.63	14.54			12.92		14.07		14.41	14.66	14.48		28
29	14.63				12.95	13.65	14.09		14.41	14.68			29
30	14.64				12.98	13.67	14.12		14.40	14.69			30
31	14.64				13.01					14.70			31
					=MONTHLY SUMMARY=								
MEAN		14.69											MEAN
INST MAX		14.52 (28)											INST MAX
INST MIN		14.77 (24)											INST MIN

ENVIRONMENT ONTARIO
TORONTO
MIDDLESEX COUNTY

OBSERVATION WELL 029

TOWNSHIP OF WESTMINSTER CORE LOT 48

WELL REC #: 0103521
UTM CO-ORD: Z=17 E471660 N4753800
LAT & LONG: 42=54NORTH 81=21WEST

REC METHOD: A35 RECORDER
REC COMMCD: JAN 20 1952
MEASURE PT: 3.6 FEET ABOVE GROUND SURFACE
GND ELEV: 805 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: TOPSOIL 4; GRAVEL AND FINE SAND 30; GRAVEL AND FINE SAND 61; BLUE CLAY AND GRAVEL 70; GRAVEL AND CLAY 90; BLUE CLAY 96; BEDROCK 96.

DIAMETER OF WELL: 6 INCHES
LENGTH OF CASING: 96 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 96 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : SAND & GRAVEL
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1							5.33	5.53	5.82				1
2							5.33	5.54	5.82				2
3							5.35	5.56	5.84				3
4							5.36	5.57	5.85				4
5							5.37	5.58	5.85				5
6							5.38	5.59	5.86				6
7							5.39	5.60	5.87				7
8							5.39	5.60					8
9							5.41	5.60					9
10							5.41	5.60					10
11							5.42	5.61					11
12							5.44	5.62					12
13							5.44	5.64					13
14							5.45	5.65					14
15							5.46	5.66					15
16						5.20	5.47	5.67					16
17						5.21	5.46	5.68					17
18						5.22	5.46	5.69					18
19						5.22	5.46	5.70					19
20						5.23	5.46	5.71					20
21						5.24	5.45	5.72					21
22						5.26	5.45	5.73					22
23						5.27	5.45	5.74					23
24						5.28	5.45	5.74					24
25						5.29	5.45	5.76					25
26						5.31	5.46	5.77					26
27						5.32	5.47	5.77					27
28						5.33	5.48	5.78					28
29						5.33	5.49	5.79					29
30						5.34	5.51	5.80					30
31							5.52	5.81					31
						MONTHLY SUMMARY							
MEAN							5.43	5.67					MEAN
INST MAX							5.33 (1)	5.53 (1)					INST MAX
INST MIN							5.53 (31)	5.81 (31)					INST MIN

ENVIRONMENT ONTARIO
TORONTO
MIDDLESEX COUNTY

OBSERVATION WELL 071

TOWNSHIP OF WESTMINSTER NTR E LOT 62

WELL REC #: 0105766
UTM CO-ORD: Z=17 E478438 N4747800
LAT & LONG: 42=53NORTH 81=16WEST

REC METHOD: A35 RECORDER
REC COMMCD: OCT 16 1958
MEASURE PT: 0.0 FEET ABOVE GROUND SURFACE
GND ELEV: 862 FEET ABOVE SEA LEVEL
WELL TYPE: DUG
WELL LOG: CLAY 45'.

DIAMETER OF WELL: 36 INCHES
LENGTH OF CASING: 45 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 45 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : CLAY
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	8.86	8.85	8.58	6.60	6.29	7.55	8.12	8.50	8.91	7.71	6.79		1
2	8.86	8.85	8.56	6.59	6.34	7.58	8.13	8.51	8.92	7.41	6.80		2
3	8.86	8.86	8.56	6.41	6.39	7.60	8.15	8.52	8.94	7.50	6.82		3
4	8.86	8.87	8.49	6.32	6.45	7.63	8.17	8.53	8.96	7.45	6.83		4
5	8.86	8.87	8.32	6.23	6.50	7.65	8.19	8.53	8.97	7.44	6.85		5
6	8.86	8.87	8.31	6.16	6.55	7.67	8.20	8.55	8.99	7.44	6.86		6
7	8.86	8.87	8.31	6.16	6.61	7.69	8.21	8.56	9.01	7.44	6.87		7
8	8.86	8.87	8.31	6.16	6.66	7.72	8.23	8.57	9.03	7.45	6.87		8
9	8.87	8.87	8.29	6.16	6.71	7.74	8.24	8.58	9.05	7.02	6.89		9
10	8.86	8.89	8.23	6.16	6.77	7.76	8.26	8.59	9.06	6.87	6.89		10
11	8.86	8.91	8.19	6.19	6.81	7.78	8.27	8.61	9.08	6.58	6.87		11
12	8.86	8.88	8.12	6.24	6.85	7.79	8.28	8.62	9.10	6.54			12
13	8.86	8.78	7.66	6.28	6.89	7.81	8.29	8.63	9.12	6.50			13
14	8.86	8.77	7.51	6.34	6.90	7.83	8.31	8.64	9.13	6.46			14
15	8.86	8.77	7.47	6.39	6.98	7.85	8.32	8.66	9.15	6.45			15
16	8.86	8.78	7.48	6.45	7.02	7.86	8.33	8.68	9.17	6.45			16
17	8.86	8.79	7.46	6.51	7.06	7.88	8.34	8.70	9.18	6.45			17
18	8.86	8.79	7.48	6.57	7.10	7.90	8.34	8.72	9.19	6.45			18
19	8.86	8.80	7.50	6.62	7.14	7.91	8.35	8.73	9.14	6.47			19
20	8.86	8.81	7.49	6.69	7.17	7.93	8.36	8.74	8.83	6.49			20
21	8.85	8.82	7.46	6.74	7.21	7.95	8.37	8.75	8.80	6.52			21
22	8.85	8.83	7.36	6.79	7.26	7.98	8.38	8.77	8.80	6.55			22
23	8.86	8.84	7.30	6.65	7.29	8.00	8.40	8.78	8.80	6.58			23
24	8.85	8.75	7.25	6.35	7.32	8.01	8.41	8.79	8.81	6.61			24
25	8.85	8.62	7.23	6.25	7.35	8.03	8.42	8.80	8.55	6.64			25
26	8.85	8.62	7.23	6.18	7.38	8.05	8.43	8.81	8.20	6.67			26
27	8.85	8.59	7.23	6.16	7.41	8.06	8.44	8.83	7.78	6.69			27
28	8.85	8.58	7.19	6.16	7.44	8.08	8.45	8.84	7.71	6.72			28
29	8.85		6.78	6.19	7.47	8.10	8.47	8.86	7.70	6.74			29
30	8.85		6.67	6.24	7.50	8.11	8.47	8.88	7.70	6.75		2.71	30
31	8.85		6.63		7.53		8.49	8.89		6.77		2.85	31
						MONTHLY SUMMARY							
MEAN	8.86	8.80	7.69	6.36	6.98	7.85	8.32	8.68	8.79	6.83			MEAN
INST MAX	8.85 (28)	8.54 (28)	8.41 (31)	6.15 (8)	6.26 (1)	7.54 (1)	8.11 (1)	8.50 (1)	7.70 (30)	6.05 (15)			INST MAX
INST MIN	8.87 (9)	8.91 (11)	8.57 (3)	6.79 (22)	7.54 (31)	8.11 (30)	8.50 (31)	8.90 (31)	9.19 (19)	7.71 (1)			INST MIN

ENVIRONMENT ONTARIO
TORONTO
MIDDLESEX COUNTY

OBSERVATION WELL 091

TOWNSHIP OF WESTMINSTER — CONC. A — LOT 15

WELL REC #: 4103839
UTM CO-ORDS: 7-17 E686160 N4745410
LAT & LONG: 42-52NORTH 81-12WEST

REC METHOD: A35 RECORDER
REC COMMCD: APR. 14 1961
MEASURE PT: 3.5 FEET ABOVE GROUND SURFACE
GND ELEV: 865 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: TOPSOIL 0.5; BROWN CLAY 10; GREY CLAY WITH SILT 61; FINE SAND AND CLAY 68; SANDY CLAY, SOME GRAVEL 121; HARD PACKED CLAY, SAND AND GRAVEL 126; CLAY, SAND AND GRAVEL 142; GRAVEL, SAND AND CLAY 182; CLAY, GRAVEL AND SAND 193; HARD PACKED CLAY, SAND, GRAVEL AND ODD BOULDERS 198; GRAVEL, SAND AND SILT 227; GRAVEL, SAND, SILT AND CLAY 229; CLAY, DIRTY SAND, GRAVEL AND SILT 232.

DIAMETER OF WELL: 10 INCHES
LENGTH OF CASING: 197 FEET
LENGTH OF SCREEN: 35 FEET
DEPTH OF WELL: 232 FEET

PUMP RATE: 16 IGPM
SPEC. CAP: 8.05 IGPM/FT
AQUIFER 1: CLAY, SAND, GRAVEL
QUALITY 1: FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	67.73	67.65	67.70	67.71	67.66	67.30	67.09	67.24	67.34	66.83	67.21	66.60	1
2	67.90	67.82	67.83	67.54	67.65	67.29	67.23	67.28	67.33	66.92	67.18	66.66	2
3	67.96	67.67	67.86	67.58	67.72	67.43	67.32	67.26	67.34	67.02	67.15	66.69	3
4	67.93	67.58	67.67	67.48	67.62	67.50	67.31	67.28	67.31	67.08	67.20	66.78	4
5	67.99	67.62	67.64	67.18	67.62	67.45	67.31	67.28	67.26	67.08	67.21	66.58	5
6	67.95	67.81	67.78	67.39	67.38	67.30	67.26	67.28	67.30	67.14	67.14	66.81	6
7	67.79	67.98	67.83	67.55	67.49	67.25	67.18	67.22	67.31	67.20	66.99	66.66	7
8	67.91	68.07	67.85	67.73	67.45	67.22	67.21	67.17	67.31	66.94	66.94	66.67	8
9	67.94	67.97	67.81	67.84	67.47	67.26	67.28	67.20	67.24	66.84	66.89	66.62	9
10	67.67	67.95	67.84	67.84	67.49	67.40	67.40	67.16	67.20	66.95	66.74	66.93	10
11	67.77	67.91	67.96	67.79	67.51	67.43	67.39	67.20	67.30	66.92	66.76	67.02	11
12	67.93	67.83	67.87	67.83	67.51	67.42	67.38	67.25	67.30	66.97	66.95	66.91	12
13	68.06	67.59	67.67	67.77	67.45	67.49	67.38	67.20	67.12	67.10	67.10	66.81	13
14	67.89	67.64	67.72	67.76	67.46	67.52	67.46	67.20	67.16	67.08	67.06	66.65	14
15	67.81	67.75	67.70	67.80	67.55	67.57	67.58	67.30	67.29	66.95	66.89	66.72	15
16	67.81	67.85	67.69	67.80	67.64	67.93	67.51	67.24	67.23	66.95	66.73	66.76	16
17	67.79	67.84	67.74	67.82	67.63	67.93	67.46	67.19	67.19	66.91	66.66	66.74	17
18	67.80	67.80	67.49	67.79	67.54	67.33	67.48	67.24	67.09	66.81	66.76	66.67	18
19	67.76	67.76	67.64	67.73	67.55	67.26	67.38	67.25	66.96	66.87	67.00	66.66	19
20	67.76	67.78	67.87	67.76	67.46	67.21	67.35	67.28	66.93	67.00	67.00	66.58	20
21	67.81	67.78	67.68	67.76	67.40	67.26	67.34	67.19	67.07	67.03	67.00	66.52	21
22	67.97	67.67	67.55	67.73	67.63	67.36	67.45	67.12	67.14	67.14	67.10	66.58	22
23	68.06	67.71	67.65	67.63	67.65	67.43	67.49	67.15	67.13	67.31	66.97	66.61	23
24	67.89	67.49	67.76	67.52	67.67	67.37	67.39	67.19	67.05	67.32	66.92	66.50	24
25	67.74	67.43	67.85	67.44	67.62	67.27	67.25	67.30	66.98	67.29	66.74	66.46	25
26	67.59	67.61	67.91	67.40	67.59	67.28	67.34	67.31	66.82	67.18	66.68	66.53	26
27	67.48	67.52	67.86	67.37	67.57	67.29	67.43	67.29	66.85	67.17	66.75	66.66	27
28	67.43	67.45	67.65	67.42	67.46	67.25	67.42	67.33	66.92	67.23	66.91		28
29	67.48		67.52	67.59	67.48	67.12	67.35	67.32	66.98	67.29	67.07		29
30	67.55		67.51	67.67	67.52	67.16	67.29	67.37	66.95	67.32	66.87	66.83	30
31	67.95		67.56		67.48		67.24	67.36		67.27		66.93	31

=MONTHLY SUMMARY=

MEAN	67.80	67.74	67.72	67.64	67.55	67.35	67.35	67.25	67.15	67.07	66.95		MEAN
INST MAX	67.34 (28)	67.37 (25)	67.39 (18)	67.16 (5)	67.35 (6)	67.07 (30)	67.02 (1)	67.09 (22)	66.79 (26)	66.79 (1)	66.62 (17)		INST MAX
INST MIN	68.09 (23)	68.09 (8)	67.99 (11)	67.86 (10)	67.76 (3)	67.58 (16)	67.64 (14)	67.39 (30)	67.35 (4)	67.34 (30)	67.23 (1)		INST MIN

ENVIRONMENT ONTARIO
TORONTO
MIDDLESEX COUNTY

OBSERVATION WELL 513

TOWNSHIP OF WESTMINSTER — CONC. 5 — LOT 22

WELL REC #: 4103738
UTM CO-ORDS: 7-17 E679040 N4748490
LAT & LONG: 42-54NORTH 81-15WEST

REC METHOD: A35 RECORDER
REC COMMCD: AUG 9 1959
MEASURE PT: 5.4 FEET ABOVE GROUND SURFACE
GND ELEV: 865 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: TOPSOIL 1; FINE SAND 8; BLUE CLAY 48; CLAY AND GRAVEL 80; BLUE CLAY AND GRAVEL 98; CLAY AND GRAVEL 99; GRAVEL AND MIXED SAND 103; CLAY AND GRAVEL 104; GRAVEL AND MIXED SAND 118; FINE SAND 125; MIXED SAND AND SILT, CLAY 129 GRAVEL AND FINE SAND 139; GRAVEL 144.

DIAMETER OF WELL: 10 INCHES
LENGTH OF CASING: 102 FEET
LENGTH OF SCREEN: 10 FEET
DEPTH OF WELL: 122 FEET

PUMP RATE: 700 IGPM
SPEC. CAP: 17.9 IGPM/FT
AQUIFER 1: GRAVEL
QUALITY 1: FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	37.37	37.32	37.20	36.60	36.26	35.96							1
2	37.43	37.33	37.23	36.58	36.19	35.87							2
3	37.36	37.17	37.25	36.38	36.18	35.94							3
4	37.35	37.14	37.17	36.61	36.22	36.04							4
5	37.36	37.14	37.05	36.29	36.09	36.01							5
6	37.25	37.28	37.18	36.33	36.02	35.95							6
7	37.32	37.36	37.21	36.53	36.07	35.88							7
8	37.35	37.37	37.20	36.48	36.17	35.92							8
9	37.29	37.29	37.16	36.61	36.09	35.88							9
10	37.15	37.27	37.10	36.56	36.12	35.91							10
11	37.38	37.25	37.15	36.49	36.11	35.98							11
12	37.41	37.25	37.14	36.45	36.11	35.94							12
13	37.37	37.09	36.97	36.45	36.07	35.93							13
14	37.22	37.13	36.95	36.36	36.03	35.99							14
15	37.22	37.25	37.01	36.41	36.04	35.99							15
16	37.22	37.30	36.90	36.40	36.09								16
17	37.20	37.29	36.93	36.37	36.11								17
18	37.21	37.23	36.82	36.35	36.06								18
19	37.21	37.16	36.75	36.31	36.02								19
20	37.23	37.20	36.85	36.29	36.04								20
21	37.26	37.20	36.79	36.30	36.05								21
22	37.35	37.13	36.76	36.28	36.05								22
23	37.35	37.17	36.71	36.28	36.06								23
24	37.25	37.12	36.77	36.24	36.08								24
25	37.18	37.01	36.80	36.17	36.06								25
26	37.11	37.15	36.78	36.15	36.03								26
27	37.10	37.10	36.78	36.16	35.99								27
28	37.08	37.16	36.61	36.12	35.97								28
29	37.18		36.51	36.25	35.95								29
30	37.19		36.53	36.28	36.03								30
31	37.18		36.48		36.04								31

=MONTHLY SUMMARY=

MEAN	37.26	37.20	36.93	36.37	36.08								MEAN
INST MAX	36.94 (26)	36.96 (25)	36.84 (31)	36.08 (28)	35.94 (29)								INST MAX
INST MIN	37.44 (12)	37.37 (8)	37.27 (3)	36.69 (4)	36.28 (1)								INST MIN

ENVIRONMENT ONTARIO
TORONTO
OXFORD COUNTY

OBSERVATION WELL 165

TOWNSHIP OF E. ZORRA — CONC. 12 LOT 3

WELL REC #: 4701409
UTM CO-ORD: Z-17 E518875 N4776775
LAT & LONG: 43-09NORTH 80-45WEST

REC METHOD: STEEL TAPE
REC COMMCD: JUN. 11 1965
MEASURE PT: 2.3 FEET ABOVE GROUND SURFACE
GND ELEV: 915 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: LOAM 04; FINE BROWN SAND 28; GREY CLAY 45; GRAVELLY HARDPAN 46; GRAVEL 47; COARSE GRAVELLY HARDPAN 51; GREY LIMESTONE 64.

DIAMETER OF WELL: 8 INCHES
LENGTH OF CASING: 58 FEET
LENGTH OF SCREEN: 6 FEET
DEPTH OF WELL: 64 FEET

PUMP RATE: 40 IGPM
SPEC. CAP: N.A.
AQUIFER : LIMESTONE
QUALITY : SULPHUR

1977
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
					01/ -2,30	04/ -2,20	02/ -1,80	06/ -1,60	03/ -2,30	01/ -2,30	01/ -2,30

ENVIRONMENT ONTARIO
TORONTO
OXFORD COUNTY

OBSERVATION WELL 166

TOWNSHIP OF E. ZORRA — CONC. 12 LOT 3

WELL REC #: 4701408
UTM CO-ORD: Z-17 E518875 N4776775
LAT & LONG: 43-09NORTH 80-45WEST

REC METHOD: AIR GAUGE
REC COMMCD: JUN. 11 1965
MEASURE PT: 3.0 FEET ABOVE GROUND SURFACE
GND ELEV: 915 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: LOAM 04; FINE BROWN SAND 28; GREY CLAY 45; GRAVELLY HARDPAN 46.5; GRAVEL 47; COARSE GRAVELLEY HARDPAN 51; GREY LIMESTONE 85.

DIAMETER OF WELL: 8 INCHES
LENGTH OF CASING: 74 FEET
LENGTH OF SCREEN: 9 FEET
DEPTH OF WELL: 85 FEET

PUMP RATE: 40 IGPM
SPEC. CAP: N.A.
AQUIFER : LIMESTONE
QUALITY : SULPHUR

1977
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
					01/-21,40 22/-20,94	04/-20,25	02/-20,25	06/-21,40	03/-21,40	01/-22,55	01/-21,40

ENVIRONMENT ONTARIO
TORONTO
OXFORD COUNTY

OBSERVATION WELL 176

TOWNSHIP OF S. NORWICH — CONC. 9 LOT 2

WELL REC #: 4702077
UTM CO-ORD: Z-17 E524100 N4750750
LAT & LONG: 42-55NORTH 80-42WEST

REC METHOD: STEEL TAPE
REC COMMCD: MAR. 16 1966
MEASURE PT: 2.0 FEET ABOVE GROUND SURFACE
GND ELEV: 850 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: BLACK LOAM 1; BROWN SAND 9; RUNNING SAND 32.

DIAMETER OF WELL: 7 INCHES
LENGTH OF CASING: 30 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 32 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : RUNNING SAND
QUALITY : FRESH

1977
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
					22/ 1,90						

ENVIRONMENT ONTARIO
TORONTO
OXFORD COUNTY

OBSERVATION WELL 177

TOWNSHIP OF S. NORWICH CONC. 9 LOT 2

WELL REC #: 4702076
UTM COORDS: Z=17 E524100 N4750750
LAT & LONG: 42=55NORTH 80=42WEST

REC METHOD: 435 RECORDER
REC COMMCD: MAY 26 1966
MEASURE PT: 3.0 FEET ABOVE GROUND SURFACE
GND ELEV: 850 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: BLACK LOAM 1; FINE BROWN SAND 10; FINE DUTCH SAND 38; GREY CLAY 52; GRAVEL LAYER 53; CLAY WITH GRAVEL 60; GRAVEL 61; SAND AS; DUTCH SAND 76; CLAY AND SILT AA; HARD CLAY WITH STONES 112; LIMESTONE BEDROCK 123.

DIAMETER OF WELL: 7 INCHES
LENGTH OF CASING: 110 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 123 FEET

PUMP RATE: 17 IGPM
SPEC. CAP: 17.0 IGPM/FT
AQUIFER : LIMESTONE
QUALITY : SULPHUR

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	45.57	44.53	44.31	43.74	43.48	44.12	45.41	50.91	44.93	44.82	44.49		1
2	45.57	44.55	44.32	43.65	43.49	44.18	45.45	51.91	44.93	44.82	44.49		2
3	45.57	44.56	44.32	43.50	43.50	44.25	45.49	51.78	44.93	44.82	44.50		3
4	45.57	44.55	44.26	43.46	43.50	44.31	45.53	50.26	44.88	44.80	44.50		4
5	45.58	44.56	44.16	43.24	43.50	44.37	45.57	49.14	44.83	44.65	44.50		5
6	45.52	44.58	44.16	43.25	43.48	44.42	45.59	48.42	44.92	44.47	44.52		6
7	45.24	44.60	44.17	43.28	43.47	44.46	45.62	47.80	44.92	44.47	44.51		7
8	45.22	44.61	44.18	43.32	43.47	44.50	45.65	47.30	44.93	44.48	44.50		8
9	45.20	44.61	44.17	43.35	43.47	44.55	45.68	47.01	44.83	44.35	44.50		9
10	44.82	44.62	44.17	43.37	43.47	44.60	45.71	46.67	44.92	44.31	44.44		10
11	44.72	44.62	44.18	43.38	43.47	44.65	45.74	46.43	44.92	44.30	44.38		11
12	44.75	44.61	44.19	43.39	43.48	44.69	45.76	46.27	44.92	44.31	44.38		12
13	44.76	44.65	44.01	43.40	43.49	44.73	45.79	46.04	44.92	44.31	44.37		13
14	44.76	44.63	43.98	43.42	43.50	44.78	45.81	45.82	44.93	44.33	44.38		14
15	44.77	44.63	43.98	43.43	43.51	44.83	45.83	45.78	44.93	44.33	44.38		15
16	44.77	44.64	43.99	43.45	43.53	44.87	45.87	45.67	44.93	44.33	44.38		16
17	44.78	44.64	43.99	43.46	43.54	44.90	45.89	45.38	44.93	44.33	44.38		17
18	44.78	44.65	43.74	43.48	43.55	44.94	45.91	45.36	44.92	44.33	44.25		18
19	44.78	44.65	43.65	43.49	43.56	44.98	45.93	45.32	44.88	44.33	44.19		19
20	44.78	44.66	43.67	43.52	43.57	45.01	45.94	45.28	44.82	44.33			20
21	44.79	44.67	43.68	43.54	43.59	45.06	45.96	45.20	44.79	44.35		43.41	21
22	44.80	44.67	43.70	43.55	43.61	45.10	45.98	44.97	44.79	44.37		43.39	22
23	44.81	44.67	43.71	43.57	43.65	45.12	46.00	44.95	44.79	44.39		43.24	23
24	44.81	44.37	43.72	43.57	43.69	45.16	46.02	44.94	44.79	44.42		43.05	24
25	44.81	44.29	43.73	43.57	43.72	45.21	46.05	44.94	44.70	44.43		43.08	25
26	44.72	44.29	43.73	43.58	43.76	45.25	46.10	44.94	44.54	44.43		43.09	26
27	44.51	44.29	43.74	43.55	43.81	45.28	46.17	44.94	44.39	44.43		43.11	27
28	44.51	44.29	43.74	43.48	43.88	45.32	46.25	44.94	44.39	44.44		43.14	28
29	44.50		43.74	43.48	43.92	45.36	46.36	44.94	44.40	44.44		43.16	29
30	44.51		43.74	43.48	43.98	45.38	47.13	44.94	44.42	44.48		43.17	30
31	44.52		43.73		44.05		48.08	44.94		44.48		43.16	31
MEAN	44.93	44.48	43.95	43.46	43.60	44.81	45.97	46.55	44.81	44.39			MEAN
INST MAX	45.58 (29)	44.68 (24)	44.32 (19)	43.74 (1)	44.09 (31)	45.39 (1)	50.16 (31)	52.04 (3)	44.94 (5)	44.50 (8)			INST MAX
INST MIN	44.50 (5)	44.29 (12)	43.64 (4)	43.23 (1)	43.47 (10)	44.09 (1)	45.39 (1)	44.93 (31)	44.38 (26)	44.30 (18)			INST MIN

ENVIRONMENT ONTARIO
TORONTO
OXFORD COUNTY

OBSERVATION WELL 013

TOWNSHIP OF W. OXFORD CONC. 3 LOT 2

WELL REC #: 4703374
UTM COORDS: Z=17 E520380 N4769520
LAT & LONG: 43=07NORTH 80=45WEST

REC METHOD: STEEL TAPE
REC COMMCD: JUL, 05 1966
MEASURE PT: 2.0 FEET ABOVE GROUND SURFACE
GND ELEV: 968 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: OVERBURDEN (MOSTLY SAND AND GRAVEL) 75.

DIAMETER OF WELL: 2 INCHES
LENGTH OF CASING: 75 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 75 FEET

PUMP RATE: FLOWING
SPEC. CAP: N.A.
AQUIFER : OVERBURDEN
QUALITY : FRESH

1977
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
04/ 0.90	02/ 3.40	01/ 2.40	01/ 1.70	02/ 1.60	01/ 3.60	04/ 2.30	02/ 2.50	01/ 3.10		01/ -0.20	01/ -1.50

ENVIRONMENT ONTARIO
TORONTO
PERTH COUNTY

OBSERVATION WELL 045

TOWNSHIP OF BLANSHARD — WR — LOT 11

WELL REC #: 5001477
UTM CO-ORD: Z-17 E478275 N4795450
LAT & LONG: 43-19NORTH 81-1AWEST

REC METHOD: A35 RECORDER
REC COMMCD: MAY 26 1970
MEASURE PT: 1.1 FEET ABOVE GROUND SURFACE
GND ELEV: 1175 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: BROWN SAND AND CLAY FILL 2; SAND, GRAVEL 6; COARSE GRAVEL AND SMALL STONES 35; COARSE SAND, YELLOWISH CLAY 36.

DIAMETER OF WELL: 4 INCHES
LENGTH OF CASING: 32 FEET
LENGTH OF SCREEN: 4 FEET
DEPTH OF WELL: 36 FEET

PUMP RATE: 15 IGPM
SPEC. CAP: N.A.
AQUIFER : GRAVEL
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1		7.89	6.67	3.49	4.02		7.30	8.98		7.86	8.38		1
2		7.82	6.66	3.51	4.08		7.29	9.02		7.84	8.41		2
3		7.79	6.60	3.54	4.14		7.30	9.05		7.81	8.43		3
4		7.76	6.55	3.56			7.35	9.08		7.80	8.46		4
5		7.71	6.17	3.57			7.41	9.12		7.82	8.50		5
6		7.70	5.77	3.60			7.45			7.73	8.53		6
7		7.69	5.48	3.62			7.49			7.84	8.54		7
8		7.69	5.40	3.65			7.49			7.86	8.55		8
9		7.69	4.92	3.65			7.54			7.78	8.56		9
10		7.69	3.90	3.65			7.63			7.77	8.50		10
11	7.97	7.69	3.85	3.67			7.71			7.77	8.33		11
12	7.88	7.69	3.09	3.70			7.78			7.77	8.21		12
13	7.87	7.68	1.91	3.75			7.84			7.77	8.11		13
14	7.88	7.57	2.57	3.81			7.93			7.78	8.05		14
15	7.87	7.54	2.96	3.86			8.00			7.77	7.92		15
16	7.89	7.51	3.09	3.90			8.05			7.77	7.57		16
17	7.91	7.50	3.31	3.94			8.10			7.77	7.15		17
18	7.93	7.49	3.41	3.98			8.18			7.77	6.99		18
19	7.96	7.48	3.48	4.02			8.25			7.79	6.97		19
20	7.99	7.47	3.46	4.05			8.29			7.85	6.97		20
21	8.03	7.46	3.46	4.09			8.33			7.90	6.72	4.14	21
22	8.08	7.45	3.41	3.98			8.40			7.96	6.65	4.13	22
23	8.14	7.43	3.46	3.55		6.69	8.46			8.02	6.62	4.24	23
24	8.19	7.36	3.48	3.40		6.76	8.54			8.06	6.43	4.23	24
25	8.22	7.18	3.49	3.52		6.79	8.59			8.09	6.37	3.99	25
26	8.23	7.00	3.51	3.63		6.80	8.65		8.66	8.13	6.42	3.80	26
27	8.24	6.83	3.51	3.71		7.03	8.72		8.42	8.17	6.54	3.94	27
28	8.24	6.71	3.45	3.81		7.84	8.79		8.35	8.20		4.01	28
29	8.16		3.35	3.90		8.07	8.83		8.34	8.25		4.07	29
30	8.05		3.35	3.96		7.46	8.87		8.31	8.30		4.12	30
31	7.94		3.41				8.92			8.34		4.20	31
MEAN		7.52	4.09	3.74			8.05			7.87			MEAN
INST MAX		8.68 (28)	1.68 (13)	3.36 (24)			7.28 (1)			7.40 (2)			INST MAX
INST MIN		7.02 (1)	6.68 (1)	4.11 (21)			8.95 (31)			8.36 (31)			INST MIN

ENVIRONMENT ONTARIO
TORONTO
PERTH COUNTY

OBSERVATION WELL 182

TOWN OF STRATFORD — CONC. = — LOT =

WELL REC #: 5001349
UTM CO-ORD: Z-17 E503000 N4802260
LAT & LONG: 43-23NORTH 80-58WEST

REC METHOD: A35 RECORDER
REC COMMCD: SEP 15 1966
MEASURE PT: 1.5 FEET ABOVE GROUND SURFACE
GND ELEV: 1000 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: TOPSOIL 3; SAND AND GRAVEL 6; YELLOW CLAY 15; YELLOW CLAY AND BOULDERS 25; GREY HARDPAN 103; CEMENTED GRAVEL 115; COARSE GRAVEL 120; CEMENTED GRAVEL 127; BROWN LIMESTONE 345; BROWN LIMESTONE 415; SOFT WHITE LIMESTONE 435; GREY SHALE 440.

DIAMETER OF WELL: 14 INCHES
LENGTH OF CASING: 126 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 440 FEET

PUMP RATE: 520 IGPM
SPEC. CAP: 10.8 IGPM/FT
AQUIFER : LIMESTONE
QUALITY : FRESH

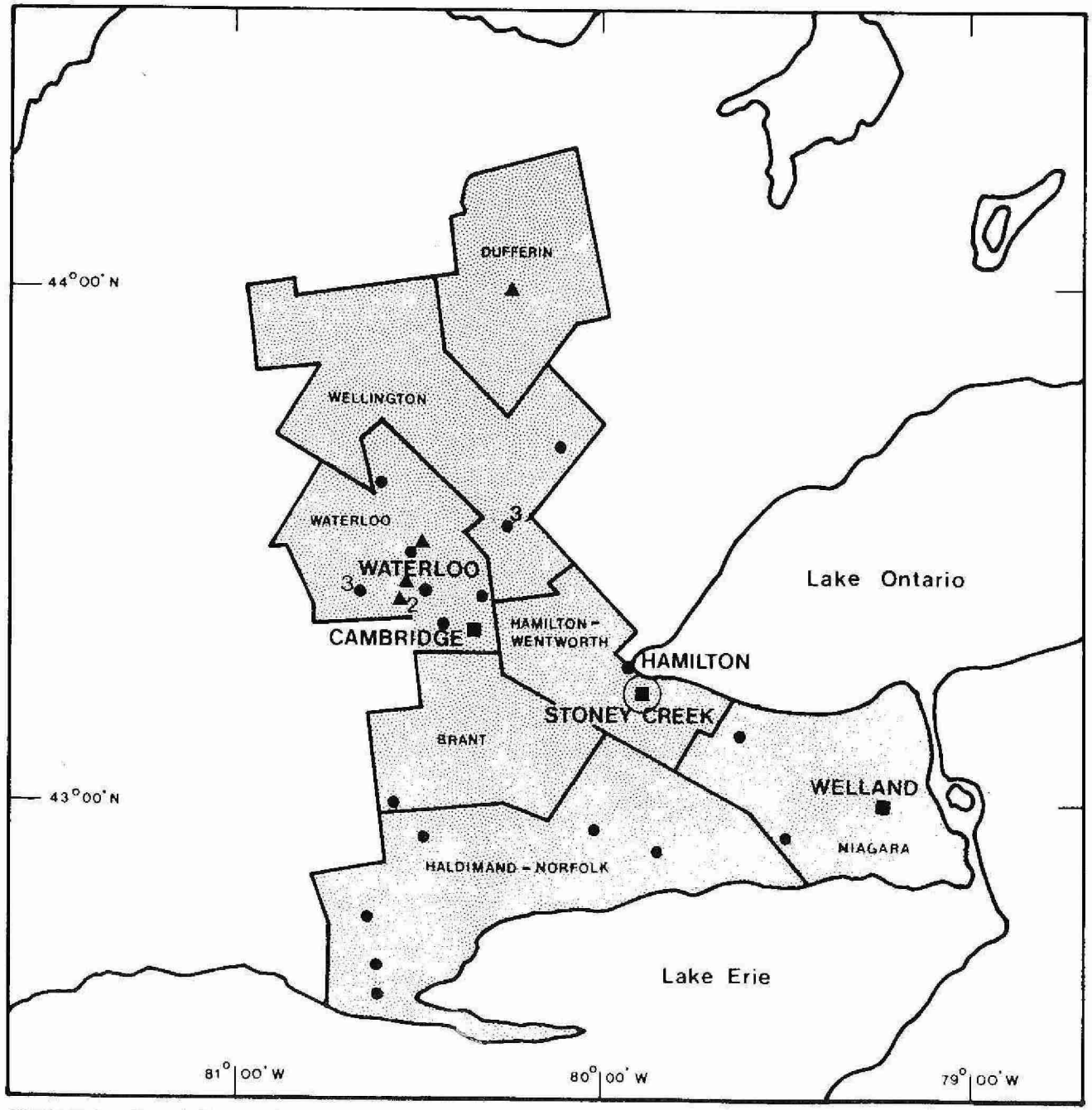
1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	53.45	60.88	62.41	61.95	60.03	65.24	57.80	56.36	66.28	62.61	64.08	63.72	1
2	51.02	62.17	63.14	58.86	59.80	64.15	59.10	59.25	66.49	62.98	64.53	63.44	2
3	55.33	61.82	62.99	58.45	61.32	64.45	61.32	62.11	65.09	63.08	65.09	61.48	3
4	58.29	62.78	62.89	58.12	60.44	64.08	61.75	62.08	59.67	64.11	65.30	62.38	4
5	59.18	60.61	60.98	60.08		62.83	63.25	61.86	55.51	64.60	64.66	61.67	5
6	59.69	60.92	62.27	61.07		62.38	63.76	60.00	60.43	64.94	63.11	61.74	6
7	60.15	61.52	62.30	60.88	59.63	63.16	63.82	61.55	63.25	65.30	62.87	62.75	7
8	58.27	62.18	63.22	53.31	60.78	63.30	63.99	61.73	64.68	64.33	63.65	63.56	8
9	59.30	62.72	63.26	57.41	60.43	63.66	62.59	62.73	65.66	62.90	64.05	62.76	9
10	58.93	63.32	63.59	52.16	61.51	64.32	62.58	63.23	63.55	56.82	64.00	59.47	10
11	59.49	63.34	60.55	58.41	62.26	64.05	63.30	63.42	64.31	59.85	63.99	62.04	11
12	60.19	60.93	61.24	60.62	62.67	58.27	63.92	63.81	64.28	62.67	63.09	61.94	12
13	60.94	61.52	56.55	60.32	62.98	60.61	64.45	63.33	65.13	64.10	57.96	62.36	13
14	60.95	61.96	60.58	60.87	62.50	64.30	65.75	62.57	65.51	64.06	59.13	62.86	14
15	58.50	63.07	61.56	60.92	59.89	65.81	67.19	62.51	65.07	63.19	62.40	62.84	15
16	59.67	63.50	61.82	59.14	62.21	66.53	63.70	63.84	65.95	63.26	62.66	63.04	16
17	59.93	63.95	61.93	53.45	66.02	66.51	63.97	64.36	65.24	63.25	63.18	62.26	17
18	60.20	60.20	61.52	57.83	64.84	64.84	65.10	64.81	64.17	64.41	64.12	61.78	18
19	61.00	63.74	59.90	59.62	65.37	58.07	65.68	65.07	63.94	65.05	63.28	61.75	19
20	61.25	62.54	60.82	60.46	67.47	61.33	67.11	64.89	64.78	65.75	63.31	61.88	20
21	61.71	61.05	59.88	61.65	66.66	63.84	68.03	59.26	65.48	65.88	63.83	62.35	21
22	59.94	62.98	60.13	61.13	64.96	65.87	67.37	60.68	64.40	65.38	64.71	62.50	22
23	60.78	63.48	60.78	59.05	61.36	66.44	64.40	63.93	66.12	64.56	64.60	62.22	23
24	60.78	63.34	61.38	52.38	66.19	67.62	64.24	64.74	64.86	64.23	64.82	61.25	24
25	60.87	63.33	61.57	59.43	68.74	64.30	63.36	65.04	64.48	65.04	60.69	59.75	25
26	61.41	61.23	59.76	60.54	69.21	58.55	62.94	65.59	61.17	65.23	63.06	58.86	26
27	61.72	62.16	54.77	60.79	70.79	61.70	62.91	63.15	64.43	65.40	62.08	56.12	27
28	60.47	62.34	59.55	60.78	66.51	65.13	62.94	64.40	65.00	64.92	62.11	56.18	28
29	58.57		60.01	61.49	64.84	65.17	63.02	64.31	65.35	63.26	63.19	56.51	29
30	60.28		60.91	60.24	64.13	64.74	60.09	65.20	65.39	63.15	63.66	56.01	30
31	60.74		61.34		68.70		61.77	65.76		63.08		56.04	31
MEAN	59.46	62.41	61.21	58.91		63.71	63.61	62.95	64.02	63.80	63.24	60.66	MEAN
INST MAX	48.91 (1)	54.36 (21)	51.90 (28)	50.04 (11)		54.85 (12)	54.35 (21)	52.64 (2)	54.80 (6)	53.63 (11)	52.88 (25)	50.58 (30)	INST MAX
INST MIN	63.10 (27)	64.77 (25)	64.88 (11)	62.67 (21)		70.94 (24)	71.14 (22)	66.40 (31)	67.02 (2)	66.86 (20)	66.59 (25)	64.92 (2)	INST MIN

West Central Region

Ministry of the Environment

Ontario



OBSERVATION WELL DISTRIBUTION

OBSERVATION WELL DATA

REGIONAL OFFICE

STONEY CREEK
140 Centennial Pkwy. N.
416-561-7410

DISTRICT OFFICES

Welland
637-641 Niagara St. N.
416-735-0431

Cambridge
400 Clyde Road
P.O. Box 219
519-623-2080

LEGEND

- Regional Office
- District Office
- Recording Observation Well
- Number of Recording Wells in same location
- Manually Measured Well
- Number of Manually Measured Wells in same location

ENVIRONMENT ONTARIO
TORONTO
BRANT COUNTY

OBSERVATION WELL 173

TOWNSHIP OF BURFORD CONC. B LOT 19

WELL REC #: 1300721
UTM CO-ORD: Z=17 E540025 N4761350
LAT & LONG: 43=20NORTH 80=31WEST

REC METHOD: A35 RECORDER
REC COMMCD: MAR 15 1966
MEASURE PT: 2.5 FEET ABOVE GROUND SURFACE
GND ELEV: 832 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: BLACK TOPSOIL 1; YELLOW SAND 3; GREY QUICK SAND 13,5; FINE GRAVEL 20; COARSE QUICKSAND AND FINE GRAVEL 27; FINE TO COARSE GRAVEL 32,5.

DIAMETER OF WELL: 7 INCHES
LENGTH OF CASING: 30.5 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 30.5 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : GRAVEL
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1						3,26	3,87	5,12	5,10	2,02	2,34		1
2						3,16	4,05	5,17	5,17	1,84	2,36		2
3						3,26	4,21	5,23	5,19	1,78	2,37		3
4						3,39	4,33	5,26	5,22	1,84	2,40		4
5						3,52	4,40	5,29	5,25	1,93	2,43		5
6						3,11	4,46	5,31	5,30	1,99	2,44		6
7						2,92	4,34	5,30	5,35	2,06			7
8						3,07	4,13	5,20	5,37	2,11			8
9						3,19	4,24	5,19	5,41	1,98			9
10						3,31	4,02	5,13	5,42	1,81			10
11						3,42	4,51	5,02	5,45	1,82			11
12						3,52	4,16	4,60	5,49	1,79			12
13						3,58	4,36	4,66	5,50	1,79			13
14						3,66	4,52	4,78	5,31	1,87			14
15						3,76	4,58	4,91	5,26	1,90			15
16						3,83	4,38	4,86	5,27	1,93			16
17						3,92	4,38	4,33	4,46	1,95			17
18						3,89	4,05	4,47	4,35	1,99			18
19					2,72	3,92	4,55	4,62	3,66	2,02			19
20					2,83	4,08	4,61	4,74	3,10	2,07			20
21					2,93	4,17	4,71	4,79	2,85	2,09			21
22					3,01	4,26	4,77	4,59	2,88	2,11			22
23					2,97	4,33	4,82	4,65	2,96	2,15			23
24					2,96	4,38	4,89	4,71	2,96	2,18			24
25					3,09	4,31	4,95	4,74	2,66	2,19			25
26					3,21	4,15	4,97	4,82	2,35	2,21			26
27					3,31	4,25	5,02	4,89	1,86	2,24			27
28					3,38	4,35	5,05	4,94	1,81	2,27			28
29					3,46	4,13	5,09	5,01	1,90	2,29			29
30					3,52	4,14	5,12	5,01	2,00	2,31			30
31					3,58		5,16	5,05		2,31			31
						=MONTHLY SUMMARY=							
MEAN						3,74	4,57	4,92	4,16	2,03			MEAN
INST MAX						2,84 (7)	3,82 (1)	4,29 (17)	1,81 (28)	1,68 (10)			INST MAX
INST MIN						4,41 (24)	5,18 (31)	5,31 (6)	5,83 (13)	2,33 (31)			INST MIN

ENVIRONMENT ONTARIO
TORONTO
DUFFERIN COUNTY

OBSERVATION WELL 046

TOWNSHIP OF EAST LUTHER CONC. 4 LOT 29

WELL REC #: 1701297
UTM CO-ORD: Z=17 E553920 N4862120
LAT & LONG: 43=53NORTH 80=20WEST

REC METHOD: STEEL TAPE
REC COMMCD: NOV. 27 1953
MEASURE PT: 1,0 FEET ABOVE GROUND SURFACE
GND ELEV: 1550 FEET ABOVE SEA LEVEL
WELL TYPE: DUG/DRILLED
WELL LOG: GRAVELLY STONEY CLAY 20; GRAVEL, SAND AND CLAY 35.

DIAMETER OF WELL: 48 INCHES
LENGTH OF CASING: 20 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 35 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : OVERBURDEN
QUALITY : FRESH

1977
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
13/ 6,65	17/ 7,28	19/ -1,00	14/ 0,20	18/ 1,34	17/ 2,47	09/ 3,96					

ENVIRONMENT ONTARIO
TORONTO
R. M. OF HALDIMAND - NORFOLK

OBSERVATION WELL 613

TOWNSHIP OF MIDDLETON STR A LOT 25

WELL REC #: 4400966
UTM CO-ORD: Z-17 E533400 N4734050
LAT & LONG: 42-48NORTH 80-36WEST

REC METHOD: 435 RECORDER
REC COMMCD: FEB 1966
MEASURE PT: 3.0 FEET ABOVE GROUND SURFACE
GND ELEV: 740 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: BLACK LOAM 2; MEDIUM SAND 20; QUICKSAND 35; BLUE CLAY 36.

DIAMETER OF WELL: 5 INCHES
LENGTH OF CASING: 34 FEET
LENGTH OF SCREEN: 2 FEET
DEPTH OF WELL: 36 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : SAND AND CLAY
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.92	5.39	4.23			3.99	5.13	6.25	6.73	3.02	3.39		1
2	4.95	5.42	4.19			4.02	5.17	6.32	6.76	2.80	3.44		2
3	4.97	5.42	4.16			4.06	5.23	6.40	6.75	2.78	3.48		3
4	4.98	5.42	4.09			4.12	5.27	6.45	6.77	2.89	3.53		4
5	5.01	5.43	3.59			4.17	5.31	6.44	6.80	3.02	3.57		5
6	5.03	5.44	3.25			4.22	5.34	6.45	6.83	3.14	3.59		6
7	5.05	5.45	3.17			4.22	5.31	6.43	6.87	3.24	3.61	2.46	7
8	5.08	5.04	3.15			4.23	5.21	6.42	6.90	3.05	3.57	2.54	8
9	5.10	5.47	3.02			4.28	5.18	6.41	6.93	2.19	3.58	2.55	9
10	5.11	5.48	2.66			4.36	5.18	6.41	6.95	2.02	3.51	2.64	10
11	5.13	5.47	2.32			4.41	5.22	6.39	6.97	2.06	3.13	2.69	11
12	5.16	5.47				4.47	5.23	6.38	6.98	2.05	3.05	2.70	12
13	5.18	5.38				4.52	5.29	6.38	6.97	2.15	3.07	2.66	13
14	5.18	5.26				4.57	5.35	6.40	6.90	2.26	3.09		14
15	5.19	5.22				4.61	5.43	6.41	6.86	2.34	3.10		15
16	5.21	5.21				4.66	5.46	6.43	6.78	2.44	3.07		16
17	5.23	5.20				4.72	5.47	6.43	6.61	2.55	2.61		17
18	5.24	5.19				4.75	5.49	6.45	6.45	2.64	2.35		18
19	5.25	5.18			2.95	4.74	5.54	6.48	6.22	2.72	2.40		19
20	5.27	5.18			3.05	4.74	5.56	6.52	5.92	2.80	2.51		20
21	5.29	5.18			3.16	4.76	5.63	6.54	5.70	2.86	2.50		21
22	5.31	5.17			3.26	4.82	5.70	6.54	5.58	2.89	2.50		22
23	5.32	5.17			3.36	4.88	5.76	6.55	5.50	2.93	2.54		23
24	5.33	5.16			3.44	4.91	5.81	6.56	5.42	2.99	2.51		24
25	5.33	5.04			3.47	4.94	5.84	6.59	4.80	3.04	2.50		25
26	5.34	4.93			3.55	4.98	5.91	6.63	3.86	3.08	2.45		26
27	5.35	4.78			3.64	5.03	5.97	6.63	3.00	3.12	2.53		27
28	5.36	4.44			3.71	5.08	6.02	6.66	2.93	3.19	2.62		28
29	5.37				3.82	5.08	6.06	6.69	2.99	3.24	2.70		29
30	5.38				3.91	5.10	6.12	6.70	3.07	3.30	2.70		30
31	5.38				3.97		6.19	6.70		3.35			31
						-MONTHLY SUMMARY-							
MEAN	5.19	5.25				4.58	5.53	6.49	5.93	2.98	2.97		MEAN
INST MAX	4.90 (1)	4.30 (28)				3.99 (1)	5.11 (1)	6.23 (1)	2.92 (28)	2.01 (10)	2.32 (16)		INST MAX
INST MIN	5.38 (31)	5.48 (10)				5.11 (30)	6.24 (31)	6.72 (31)	7.00 (12)	3.37 (31)	3.62 (7)		INST MIN

ENVIRONMENT ONTARIO
TORONTO
R. M. OF HALDIMAND - NORFOLK

OBSERVATION WELL 664

TOWNSHIP OF N. CAYUGA JT LOT 25

WELL REC #: 2600272
UTM CO-ORD: Z-17 E592905 N4790410
LAT & LONG: 43-04NORTH 79-52WEST

REC METHOD: 435 RECORDER
REC COMMCD: APR 15 1964
MEASURE PT: 0.0 FEET ABOVE GROUND SURFACE
GND ELEV: 669 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: CLAY 21; LIMESTONE 100.

DIAMETER OF WELL: 6 INCHES
LENGTH OF CASING: 21 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 100 FEET

PUMP RATE: 5 IGPM
SPEC. CAP: 0.06 IGPM/FT
AQUIFER : LIMESTONE
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	25.74	26.39	26.26	24.23							23.42	21.77	1
2	26.04	26.79	26.28	24.07							23.42	21.72	2
3	26.04	26.69	26.29	23.77							23.43	21.72	3
4	25.95	26.36	26.03	23.89							23.08	21.73	4
5	26.03	26.38	25.78	23.38							23.60	21.62	5
6	26.01	26.75	25.94	23.45							23.52	21.24	6
7	25.74	26.99	25.92	23.77						23.99	23.36	21.35	7
8	26.02	27.09	25.89	23.72						23.68	23.24	21.56	8
9	26.09	26.88	25.78	23.86						23.36	23.22	21.20	9
10	25.67	26.80	25.68	23.76						23.46	23.02	21.46	10
11	25.88	26.83	25.73	23.60						23.41	22.93	21.56	11
12	26.20	26.83	25.64	23.57						23.34	23.10	21.41	12
13	26.34	26.83	25.26	23.50						23.48	23.27	21.21	13
14	26.05	26.82	25.18	23.39						23.38	23.23	21.01	14
15	25.94	26.60	25.25	23.47						23.12	22.99	20.95	15
16	26.03	26.69	25.05	23.46						23.05	22.79	20.98	16
17	26.07	26.67	25.10	23.43						23.05	22.65	20.91	17
18	26.07	26.56	24.84	23.41						22.95	22.66	20.69	18
19	26.06	26.44	24.79	23.35						22.97	22.68	20.57	19
20	26.10	26.46	24.82	23.36						23.15	22.94	20.43	20
21	26.22	26.47	24.83	23.37						23.20	22.75	20.24	21
22	26.26	26.37	24.68							23.23	22.87	20.11	22
23	26.21	26.45	24.62							23.24	22.71	20.09	23
24	26.35	26.33	24.70							23.40	22.49	20.01	24
25	26.15	26.10	24.75							23.31	22.49	19.72	25
26	26.10	26.35	24.76							23.19	22.44	19.76	26
27	25.97	26.28	24.69							23.15	22.37	19.84	27
28	26.05	26.26	24.41							23.26	22.30	19.98	28
29	26.15		24.17							23.39	22.50	19.98	29
30	26.26		24.14							23.43	22.33	19.98	30
31	26.33		24.03							23.45		20.10	31
						-MONTHLY SUMMARY-							
MEAN	26.09	26.55	25.20								22.95	20.80	MEAN
INST MAX	25.80 (10)	26.09 (25)	24.80 (31)								22.12 (30)	19.68 (25)	INST MAX
INST MIN	26.64 (23)	27.13 (8)	26.31 (3)								23.63 (5)	22.12 (1)	INST MIN

ENVIRONMENT ONTARIO
TORONTO
R. M. OF HALDIMAND - NORFOLK

OBSERVATION WELL 412

TOWNSHIP OF N. WALSINGHAM CONC. 10 LOT 8

WELL REC #: 4401018
UTM CO-ORD: Z=17 E533325 N4724135
LAT & LONG: 42-43NORTH 80-36WEST

REC METHOD: A35 RECORDER
REC COMMCD: FEB 1966
MEASURE PT: 2.0 FEET ABOVE GROUND SURFACE
GND ELEV: 710 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: YELLOW SAND 5; MEDIUM SAND 10; SAND 18.

DIAMETER OF WELL: 7 INCHES
LENGTH OF CASING: 16 FEET
LENGTH OF SCREEN: 2 FEET
DEPTH OF WELL: 18 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : SAND
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.23	4.31	3.79	1.65		3.74	4.95	5.67			2.76	3.61	1
2	4.24	4.31	3.74	1.65		3.78	4.96	5.70			2.74	3.68	2
3	4.24	4.31	3.69	1.64		3.82	4.98	5.73			2.72	3.72	3
4	4.23	4.31	3.63	1.63		3.87	5.01	5.76			2.69	3.73	4
5	4.24	4.32	3.53	1.62		3.91	5.03	5.80			2.67	3.73	5
6	4.23	4.32	3.42	1.61		3.97	5.06	5.83			2.64	3.73	6
7	4.24	4.32	3.32	1.61		4.01	5.07	5.86			2.63	3.71	7
8	4.25	4.32	3.22	1.62		4.06	5.07	5.88			2.62	3.70	8
9	4.25	4.32	3.12	1.64		4.12	5.05	5.91			2.64	3.69	9
10	4.27	4.32	2.96	1.67		4.16	5.02	5.93			2.68	3.67	10
11	4.27	4.27	2.77	1.70		4.20	5.01	5.93			2.77	3.65	11
12	4.27	4.24	2.57	1.74		4.26	5.00	5.93			2.86	3.63	12
13	4.28	4.22	2.36	1.77		4.30	5.01	5.94			2.93	3.64	13
14	4.30	4.20	2.20	1.81		4.36	5.03	5.94			2.97	3.73	14
15	4.30	4.18	2.08	1.86		4.42	5.06	5.95		2.98	3.02	3.84	15
16	4.31	4.15	1.99	1.91		4.47	5.10	5.97		2.99	3.08	3.92	16
17	4.31	4.12	1.93	1.96		4.52	5.12	5.98		3.00	3.19	3.98	17
18	4.31	4.10	1.89	2.00		4.57	5.15			3.00	3.28	4.02	18
19	4.31	4.07	1.87	2.03	2.69	4.60	5.18			2.99	3.34	4.07	19
20	4.32	4.05	1.85	2.07	2.76	4.62	5.21			2.98	3.37	4.11	20
21	4.33	4.03	1.83	2.10	2.84	4.66	5.26			2.96	3.42	4.15	21
22	4.33	4.01	1.80	2.09	2.92	4.70	5.30			2.95	3.44	4.16	22
23	4.32	4.00	1.78	1.96	3.01	4.75	5.33			2.94	3.46	4.17	23
24	4.33	3.98	1.78	1.85	3.09	4.80	5.37			2.93	3.49	4.17	24
25	4.33	3.95	1.78	1.79	3.17	4.83	5.40			2.91	3.52	4.19	25
26	4.33	3.93	1.78		3.26	4.88	5.44			2.89	3.55		26
27	4.33	3.90	1.79		3.34	4.87	5.48			2.87	3.56		27
28	4.32	3.88	1.75		3.43	4.90	5.52			2.85	3.56		28
29	4.31		1.69		3.52	4.92	5.57			2.83	3.56		29
30	4.31		1.66		3.62	4.94	5.60			2.81	3.57		30
31	4.32		1.65		3.69		5.63			2.79			31
						-MONTHLY SUMMARY-							
MEAN	4.29	4.16	2.43			4.40	5.19				3.09		MEAN
INST MAX	4.23 (1)	4.31 (28)	1.65 (31)			3.72 (1)	4.95 (1)				2.62 (9)		INST MAX
INST MIN	4.33 (27)	4.33 (9)	3.81 (1)			4.95 (30)	5.65 (31)				3.57 (30)		INST MIN

ENVIRONMENT ONTARIO
TORONTO
R.M. OF HALDIMAND-NORFOLK

OBSERVATION WELL 138

TOWNSHIP OF S. WALSINGHAM CONC 4 LOT 13

WELL REC #: 4401235
UTM CO-ORD: Z=17 E540150 N4722800
LAT & LONG: 42-39NORTH 80-31WEST

REC METHOD: A35 RECORDER
REC COMMCD: MAY 20 1965
MEASURE PT: 2.2 FEET ABOVE GROUND SURFACE
GND ELEV: 680 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: TOPSOIL 1; YELLOW SAND 4; BROWN SAND 16; DRY GREY SAND 18; COARSE BROWN SAND 24; FINE GREY SAND 32; MEDIUM DARK SAND 47.

DIAMETER OF WELL: 6 INCHES
LENGTH OF CASING: 40.5 FEET
LENGTH OF SCREEN: SLOTTED PIPE
DEPTH OF WELL: 40.5 FEET

PUMP RATE: 7 IGPM
SPEC. CAP: N.A.
AQUIFER : MEDIUM SAND
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	11.49	11.74	12.04										1
2	11.50	11.74	12.04										2
3	11.51	11.75	12.03										3
4	11.52	11.76	12.02										4
5	11.53	11.76	11.95										5
6	11.53	11.77	11.91										6
7	11.54	11.77	11.88										7
8	11.54	11.78	11.83										8
9	11.56	11.78	11.76										9
10	11.57	11.79	11.70										10
11	11.58	11.81	11.62										11
12	11.59	11.86	11.52										12
13	11.60	11.88	11.40										13
14	11.61	11.88	11.25										14
15	11.62	11.88	11.11										15
16	11.62	11.88	11.02										16
17	11.62	11.89	10.95										17
18	11.63	11.88	10.88										18
19	11.63	11.88	10.84										19
20	11.63	11.89	10.85										20
21	11.63	11.91	10.92										21
22	11.66	11.94	11.01										22
23	11.68	11.96											23
24	11.70	11.99											24
25	11.71	12.01											25
26	11.72	12.02											26
27	11.74	12.03											27
28	11.75	12.03											28
29	11.74												29
30	11.74												30
31	11.74												31
						-MONTHLY SUMMARY-							
MEAN	11.62	11.87											MEAN
INST MAX	11.49 (1)	11.74 (1)											INST MAX
INST MIN	11.75 (29)	11.74 (28)											INST MIN

ENVIRONMENT ONTARIO
TORONTO
R. M. OF HALDIMAND - NORFOLK

OBSERVATION WELL 408

TOWNSHIP OF S. WALSINGHAM CONC. 4 LOT 5

WELL REC #: 4401260
UTM CO-ORD: Z=17 E535300 N4721000
LAT & LONG: 42=39NORTH 80=34WEST

REC METHOD: A35 RECORDER
REC COMMCD: NOV. 1965
MEASURE PT: 3.0 FEET ABOVE GROUND SURFACE
GND ELEV: 680 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: SAND 21; SILTY CLAY 26.

DIAMETER OF WELL: 5 INCHES
LENGTH OF CASING: 20 FEET
LENGTH OF SCREEN: 4 FEET
DEPTH OF WELL: 24 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER: SILTY CLAY
QUALITY: FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	10.20	10.44	10.72	9.13									1
2	10.21	10.46	10.73	9.05									2
3	10.21	10.47	10.75	8.99									3
4	10.21	10.47	10.75	8.95									4
5	10.22	10.48	10.75	8.89									5
6	10.23	10.49	10.76	8.86									6
7	10.24	10.51	10.77	8.84									7
8	10.25	10.52	10.77	8.81									8
9	10.25	10.53	10.77	8.77									9
10	10.25	10.54	10.77	8.73									10
11	10.27	10.56	10.77	8.70									11
12	10.29	10.57	10.73	8.69									12
13	10.30	10.57	10.59	8.67									13
14	10.31	10.58	10.32	8.66									14
15	10.31	10.59	10.11	8.65									15
16	10.32	10.60	9.96	8.63									16
17	10.33	10.61	9.85	8.62									17
18	10.33	10.62	9.76	8.60									18
19	10.34	10.62	9.70	8.60									19
20	10.34	10.63	9.64	8.60									20
21	10.35	10.64	9.60	8.59									21
22	10.36	10.65	9.56	8.58									22
23	10.37	10.66	9.53	8.50									23
24	10.38	10.68	9.50	8.18									24
25	10.38	10.69	9.47	7.94									25
26	10.39	10.70	9.44	7.85									26
27	10.40	10.70	9.42										27
28	10.41	10.71	9.38										28
29	10.42		9.33										29
30	10.43		9.28										30
31	10.43		9.20										31
				-MONTHLY SUMMARY-									
MEAN	10.31	10.58	10.09										MEAN
INST MAX	10.20 (1)	10.44 (1)	9.17 (31)										INST MAX
INST MIN	10.44 (31)	10.71 (28)	10.78 (11)										INST MIN

ENVIRONMENT ONTARIO
TORONTO
REGIONAL MUNICIPALITY OF NIAGARA

OBSERVATION WELL 399

TOWNSHIP OF N. GRIMSBY CONC. 5 LOT 12

WELL REC #: 3802296
UTM CO-ORD: Z=17 E614640 N4779880
LAT & LONG: 43=10NORTH 79=35WEST

REC METHOD: A35 RECORDER
REC COMMCD: NOV 18 1969
MEASURE PT: 3.0 FEET ABOVE GROUND SURFACE
GND ELEV: 630 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: SOFT BROWN CLAY, STONES 10; SOFT GREY CLAY, STONES 38; HARD, DENSE WHITE DOLOMITE 47'.
E - ESTIMATE

DIAMETER OF WELL: 6.25 INCHES
LENGTH OF CASING: 44 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 47 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER: DOLOMITE
QUALITY: FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.69		4.66	3.33	2.63	3.58	3.64	4.27	4.45E	2.23E	1.90	1.31	1
2	4.79		4.82	3.21	2.63	3.53	3.75		4.44E	2.00E	1.92	1.36	2
3	4.77		4.90	3.12	2.70	3.64	3.90		4.45E	1.92E	1.92	1.39	3
4	4.73		4.86	3.16	2.71	3.61	3.91		4.52E	1.97E	1.97	1.43	4
5	4.80		4.54	2.84	2.61	3.61	3.92		4.48E	1.94E	2.04	1.36	5
6	4.73		4.58	2.88	2.62	3.51	3.86		4.55E	1.92	2.03	1.24	6
7	4.70		4.65	3.00	2.76	3.45	3.75		4.59E	1.96	1.96		7
8	4.79		4.62	2.95	2.77	3.50	3.68		4.59E	1.83	1.88		8
9	4.81		4.50	2.99	2.81	3.57	3.69		4.51E	1.68	1.88		9
10	4.62		4.46	2.91	2.85	3.62	3.74		4.47E	1.68	1.77		10
11	4.75		4.52	2.84	2.90	3.61	3.72		4.56E	1.65	1.72	1.47	11
12	4.81		4.51	2.82	2.98	3.78	3.67		4.56E	1.67	1.81	1.39	12
13	4.83		4.22	2.78	2.99	3.88	3.73		4.44E	1.71	1.84	1.32	13
14			4.19	2.77	3.09	3.93	3.80		4.41E	1.65	1.79	1.15	14
15			4.19	2.83	3.18	4.07	3.79		4.50E	1.60	1.69	1.10	15
16			4.06	2.87	3.23	3.92	3.82	4.33E	4.42E	1.60	1.64	1.08	16
17			4.09	2.91	3.27	3.80	3.81	4.19E	4.30E	1.61	1.58	1.01	17
18			3.95	2.93	3.25	3.76	3.83	4.20E	4.16E	1.66	1.59	0.97	18
19			3.94	2.97	3.26	3.83	3.83	4.20E	3.99E	1.65	1.67	0.93	19
20			3.94	3.00	3.37	3.83	3.85	4.22E	3.82E	1.68	1.68	0.88	20
21			3.94	3.03	3.51	3.88	3.90	4.21E	3.78E	1.73	1.60	0.84	21
22	4.94		3.82	3.03	3.53	3.94	3.99	4.16E	3.73E	1.73	1.66	0.85	22
23	4.95		3.81	2.91	3.49	3.99	4.02	4.21E	3.62E	1.82	1.57	0.88	23
24	4.90		3.78	2.56	3.54	3.97	4.04	4.21E	3.47E	1.83	1.51	0.90	24
25	4.83	4.67	3.82	2.39	3.59	3.81	4.00	4.24E	3.16E	1.80	1.47	0.77	25
26	4.79	4.65	3.77	2.34	3.59	3.77	4.09	4.26E	2.78E	1.74	1.39	0.86	26
27	4.79	4.62	3.69	2.34	3.62	3.84	4.16	4.26E	2.58E	1.75	1.48	0.95	27
28		4.58	3.53	2.37	3.77	3.79	4.20	4.33E	2.55E	1.81	1.50	1.01	28
29			3.34	2.50	3.88	3.68	4.19	4.34E	2.56E	1.85	1.59	1.02	29
30			3.31	2.59	3.83	3.69	4.25	4.42E	2.50E	1.90	1.51	1.07	30
31			3.25		3.79		4.28	4.45E		1.91		1.16	31
					-MONTHLY SUMMARY-								
MEAN			4.14	2.84	3.19	3.75	3.90		3.96	1.79	1.72		MEAN
INST MAX			3.22 (31)	2.29 (28)	2.59 (6)	3.42 (8)	3.61 (1)		2.44 (30)	1.59 (15)	1.37 (26)		INST MAX
INST MIN			4.91 (3)	3.35 (1)	3.97 (29)	4.33 (15)	4.32 (30)		4.63 (11)	2.44 (1)	2.06 (6)		INST MIN

ENVIRONMENT ONTARIO
TORONTO
REGIONAL MUNICIPALITY OF NIAGARA

OBSERVATION WELL 228

TOWNSHIP OF WAINFLEET — CONC. 5 — LOT 37

WELL REC #: 6602409
UTM CO-ORD: Z-17 E6208A1 N4755000
LAT & LONG: 42-57NORTH 79-28WEST

REC METHOD: A35 RECORDER
REC COMMCD: FEB 26 1969
MEASURE PT: 3.1 FEET ABOVE GROUND SURFACE
GND ELEV: 581 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: BROWN CLAY 5; BLUE CLAY 48; REDDISH CLAY 70; CLAY AND GRAVEL 110; SALINA LIMESTONE 175.

DIAMETER OF WELL: 5 INCHES
LENGTH OF CASING: 109 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 175 FEET

PUMP RATE: 40 IGPM
SPEC. CAP: 0.65 IGPM/FT
AQUIFER : LIMESTONE
QUALITY : MINERAL

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	9.13	9.21	8.96	8.20									1
2	9.22	9.20	8.96	8.03									2
3	9.23	9.16	8.93	7.84									3
4	9.22	9.16	8.86	8.02									4
5	9.23	9.17	8.85	8.14									5
6	9.21	9.28	8.85	7.90									6
7	9.15	9.37	8.84	7.85									7
8	9.22	9.38	8.82	7.75									8
9	9.21	9.38	8.55	7.73									9
10	9.00	9.32	8.54	7.75									10
11	9.14	9.29	8.53	7.77									11
12	9.21	9.20	8.40										12
13	9.22	9.10	8.19										13
14	9.15	9.17	8.23										14
15	9.18	9.22	8.24										15
16	9.17	9.23	8.24										16
17	9.12	9.23	8.23										17
18	9.12	9.22	8.18										18
19	9.11	9.19	8.24										19
20	9.16	9.19	8.23										20
21	9.20	9.19	8.23										21
22	9.23	9.18	8.18										22
23	9.24	9.17	8.23										23
24	9.21	9.02	8.24										24
25	9.15	9.03	8.24										25
26	9.09	9.07	8.24										26
27	9.07	8.98	8.23										27
28	9.00	8.97	8.15										28
29	9.07		8.09										29
30	9.12		8.10										30
31	9.15		8.16										31
					=MONTHLY SUMMARY=								
MEAN	9.16	9.19	8.39										MEAN
INST MAX	9.24 (10)	9.38 (27)	8.96 (30)										INST MAX
INST MIN	9.00 (23)	8.97 (7)	8.09 (3)										INST MIN

ENVIRONMENT ONTARIO
TORONTO
REGIONAL MUNICIPALITY OF WATERLOO

OBSERVATION WELL 033

TOWN OF ELMIRA — CONC. - — LOT -

WELL REC #: 6503536
UTM CO-ORD: Z-17 E535505 N4827750
LAT & LONG: 43-27NORTH 80-38WEST

REC METHOD: A35 RECORDER
REC COMMCD: NOV 30 1966
MEASURE PT: 3.3 FEET ABOVE GROUND SURFACE
GND ELEV: 1163 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: SAND AND GRAVEL OVERBURDEN 80.

DIAMETER OF WELL: 20 INCHES
LENGTH OF CASING: 50 FEET
LENGTH OF SCREEN: 9 FEET
DEPTH OF WELL: 59 FEET

PUMP RATE: 350 IGPM
SPEC. CAP: 10.0 IGPM/FT
AQUIFER : SAND AND GRAVEL
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	27.78	29.38	29.91		27.27	27.87	27.88	25.91	27.58		32.76		1
2	27.71	29.44	29.92		27.32	28.02	27.39	25.62	27.74		32.79		2
3	28.09	29.44	29.91	27.42	27.38	28.18	27.58	25.43	27.76		32.25		3
4	28.27	29.49	29.86	27.28	27.38	28.24	27.73	25.04	27.50		32.67		4
5	28.41	29.58	29.87	27.23	27.38	28.17	28.22	24.63	26.71		32.84		5
6	28.50	29.60	29.86	27.31	27.41	28.28	28.02	24.08	26.31		33.05		6
7	28.60	29.68	29.84	27.28	27.47	28.38	28.39	23.51	27.19		33.22		7
8	28.70	29.67	29.80	26.99	27.32	28.46	28.60	23.37	27.56	28.93	33.29		8
9	28.78	29.67	29.73	26.43	27.39	28.55	28.78	23.45	27.79	28.88	32.91		9
10	28.79	29.69	29.64	26.45	27.47	28.68	28.81	23.28	27.99	28.91	32.09		10
11	28.91	29.69	29.51	26.49	27.52	28.69	28.85	23.29	28.25		31.75		11
12	28.87	29.67	29.34	26.73	27.55	28.73	29.06	23.20	28.40		31.78		12
13	28.80	29.66	29.21	26.84	27.58	28.83	29.18	22.63	28.53		31.42		13
14	28.73	29.71	29.09	27.07	27.61	28.89	29.29	22.00	28.69	28.31	31.09		14
15	28.65	29.74	28.89	27.16	27.57	28.97	29.36	22.14	28.87	28.30	30.89		15
16	28.58	29.75	28.77	27.12	27.65	29.02	29.44	22.09	28.98	28.41	30.71		16
17	28.61	29.71	28.63	27.13	27.68	29.04	29.50	22.02	29.07	28.51	30.57		17
18	28.73	29.68	28.52	27.01	27.70	29.05	29.22	23.67	28.82	28.42	30.39		18
19	28.76	29.74		27.08	27.74	28.98	29.37	24.16	28.70	28.30	30.27		19
20	28.91	29.78		27.15	27.78	29.09	29.49	24.81	29.01	28.55	30.25		20
21	29.01	29.80		27.18	27.75	29.21	29.60	25.20	29.19	28.38	30.17		21
22	29.10	29.72		27.21	27.67	29.28	29.70	25.45	29.31	28.93	30.08		22
23	29.09	29.76		27.21	27.27	29.34	29.73	25.83	29.37	30.32	30.11		23
24	29.13	29.78		27.07	26.94	29.39	29.52	26.03	29.42	30.76	30.06		24
25	29.17	29.81		27.02	27.36	29.40	29.13	26.34	29.41	31.19	30.10		25
26	29.21	29.83		27.13	27.56	29.29	29.53	26.60	29.37	31.51			26
27	29.25	29.85		27.17	27.64	29.39	29.05	26.80	29.38	31.73			27
28	29.29	29.89		27.23	27.71	29.45	29.31	26.56	29.40	31.93			28
29	29.26			27.29	27.72	29.49	28.84	26.76	29.41	32.16			29
30	29.17			27.33	27.74	29.09	27.56	27.18	29.41	32.36			30
31	29.26				27.85		26.43	27.40		32.59			31
					=MONTHLY SUMMARY=								
MEAN	28.78	29.68			27.53	28.85	28.81	24.69	28.50				MEAN
INST MAX	27.30 (2)	29.32 (11)			26.38 (24)	27.84 (1)	26.13 (31)	21.07 (16)	25.54 (6)				INST MAX
INST MIN	29.12 (31)	29.90 (28)			27.88 (31)	29.54 (30)	29.79 (24)	27.50 (31)	29.43 (25)				INST MIN

ENVIRONMENT ONTARIO
TORONTO
REGIONAL MUNICIPALITY OF WATERLOO CITY OF KITCHENER CONC. = LOT =

OBSERVATION WELL 034

WELL REC #: 6503537
UTM CO-ORD: Z-17 E540478 N4808546
LAT & LONG: 43-26NORTH 80-30WEST

REC METHOD: STEEL TAPE
REC COMMCD: SEP. 11 1946
MEASURE PT: 1.0 FEET ABOVE GROUND SURFACE
GND ELEV: 1082 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: OVERBURDEN 200; DOLOMITE 370.

DIAMETER OF WELL: 12 INCHES
LENGTH OF CASING: 200 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 370 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : DOLOMITE
QUALITY : FRESH

1977
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
					01/ 45.64		02/ 33.81	01/ 46.74 30/ 43.87	28/ 43.52		

ENVIRONMENT ONTARIO
TORONTO
REGIONAL MUNICIPALITY OF WATERLOO CITY OF KITCHENER CONC. = LOT =

OBSERVATION WELL 035

WELL REC #: 6503538
UTM CO-ORD: Z-17 E540482 N4808508
LAT & LONG: 43-26NORTH 80-30WEST

REC METHOD: STEEL TAPE
REC COMMCD: SEP. 11 1946
MEASURE PT: 1.0 FEET ABOVE GROUND SURFACE
GND ELEV: 1082 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: OVERBURDEN 190; DOLOMITE 196.

DIAMETER OF WELL: 12 INCHES
LENGTH OF CASING: 190 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 196 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : DOLOMITE
QUALITY : FRESH

1977
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
					01/ 29.71		02/ 21.39	01/ 28.56 30/ 27.17	28/ 24.10		

ENVIRONMENT ONTARIO
TORONTO
REGIONAL MUNICIPALITY OF WATERLOO CITY OF KITCHENER CONC. = LOT =

OBSERVATION WELL 059

WELL REC #: 6503539
UTM CO-ORD: Z-17 E539865 N4810205
LAT & LONG: 43-26NORTH 80-30WEST

REC METHOD: STEEL TAPE
REC COMMCD: NOV. 29 1946
MEASURE PT: 0.0 FEET ABOVE GROUND SURFACE
GND ELEV: 1076 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: OVERBURDEN 160; DOLOMITE 202.

DIAMETER OF WELL: 12 INCHES
LENGTH OF CASING: 160 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 202 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : DOLOMITE
QUALITY : FRESH

1977
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
					01/ 76.96		02/ 60.33	01/ 80.50 30/ 74.91	28/ 75.54		

ENVIRONMENT ONTARIO
TORONTO
REGIONAL MUNICIPALITY OF WATERLOO

OBSERVATION WELL 082

CITY OF KITCHENER — CONC. = — LOT =

WELL REC #: 6500265
UTM CO-ORD: Z=17 E540590 N4806630
LAT & LONG: 43-25NORTH 80-27WEST

REC METHOD: A35 RECORDER
REC COMMCD: MAY 10 1958
MEASURE PT: 0.0 FEET ABOVE GROUND SURFACE
GND ELEV: 1020 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: PREDUG 03; CLAY AND STONES 51; DRY GRAVEL 60; CEMENTED GRAVEL 74; CLAY, HARDPAN AND STONES 87; SANDY CLAY 90; BROWN CLAY 120; COARSE SAND 125; GRAVEL 127; UNKN 130.

DIAMETER OF WELL: 6 INCHES
LENGTH OF CASING: 130 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 130 FEET

PUMP RATE: 15 IGPM
SPEC. CAP: 0.71 IGPM/FT
AQUIFER : SAND AND GRAVEL
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	60.14	73.94	73.77	77.99	70.80	79.02		64.75	70.93	68.76	67.95	71.00	1
2	62.35	74.63	77.58	72.25		75.23		70.78	74.45		69.79	70.26	2
3	64.29		74.16	71.04	76.27	76.38		70.95	66.74		68.74	69.90	3
4	71.10		77.92	75.85	79.41	74.47		71.29	63.45	71.35	70.97	62.77	4
5	68.31	72.73	72.16	72.20	76.40			75.49	63.75	69.87	67.76	68.84	5
6	73.52	68.90	71.43	77.57	79.11	75.02		73.07	70.09	69.53	64.17	69.18	6
7	71.59	75.57		75.03	72.54			67.60	69.03	73.94	68.96	68.32	7
8	63.22	73.30		71.36	70.98			72.61	71.15	70.83	67.39	68.35	8
9	63.55	75.31		70.24	75.81	73.98	71.84	72.28	72.60	67.10	68.05	71.99	9
10	67.96	74.93	76.26	70.18	74.01	77.15	69.11	70.63	67.42	65.57	71.62	69.79	10
11	72.47		77.41	70.56	73.71	72.64	71.21	71.10	65.13	69.27		63.60	11
12	73.21			76.88	78.07	69.76	72.95	73.79	70.89	69.36		67.90	12
13	70.43			73.43	77.61	75.20	70.66	70.78	70.42	70.81		68.34	13
14	71.82		76.05	77.82	72.40	75.19	73.82	70.33	71.02	72.42		69.35	14
15	67.43		74.02	76.23	70.32	78.46	77.46	72.31	71.35	66.78	68.27	69.69	15
16	63.46		77.73	71.81	76.70	80.90	70.70	70.70	74.17	64.63	69.68	69.86	16
17	70.91		74.38	72.69	76.79	81.51	66.66	71.90	70.40	70.01	68.52	69.94	17
18	69.72	75.86	77.29	75.23	80.41	80.09	72.22	72.07	64.56	69.37	72.73	64.22	18
19	73.62	72.38	74.27	73.47	81.12	66.67	71.39	74.52	70.18	70.66	67.29	68.88	19
20	73.85	69.43	70.81		81.58		74.14	69.76	69.19	69.76	63.74	68.10	20
21	73.77	73.06	75.38		81.81		68.74	67.61	71.06	72.29	68.64	68.01	21
22	71.12	72.77	73.62		78.16		65.91	71.93		66.10	68.84	72.99	22
23	69.16	77.00	78.02				71.76	70.90		62.33	69.83	68.42	23
24	73.48	74.14	74.26		79.16		66.42	71.61	68.83	67.95	70.00	64.95	24
25	71.59	75.94	76.85		76.56	72.50	67.53	70.15	65.40	67.26	71.81	59.34	25
26	73.30		73.67		78.96	66.37	69.36	74.98	71.35	68.21	66.70	57.78	26
27	75.99	70.98	70.59			71.20	71.49		70.59	69.61	62.53	60.20	27
28	75.59	76.28	75.98		77.10	77.01	71.72	65.68	71.06	73.02	67.83	67.38	28
29	68.44		73.91		70.87	77.42	74.18	70.19		65.25	67.69		29
30	70.12		77.74	73.15	74.76		68.37	69.66		64.87	68.29		30
31	73.77		74.21		79.49		64.47	71.14		69.49			31

•MONTHLY SUMMARY•

MEAN	69.09	MEAN
INST MAX	53.66 (11)	INST MAX
INST MIN	78.56 (28)	INST MIN

ENVIRONMENT ONTARIO
TORONTO
REGIONAL MUNICIPALITY OF WATERLOO

OBSERVATION WELL 116

TOWNSHIP OF WILMOT — CONC. BRN LOT 2

WELL REC #: 6502124
UTM CO-ORD: Z=17 E536325 N4805375
LAT & LONG: 43-24NORTH 80-33WEST

REC METHOD: STEEL TAPE
REC COMMCD: JUN. 08 1962
MEASURE PT: 0.0 FEET ABOVE GROUND SURFACE
GND ELEV: 1125 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: TOPSOIL AND BOULDERS 03; SILTY SAND 49; SAND AND GRAVEL 53; SAND AND GRAVEL STREAKS, FINE SAND 70; FINE SAND AND GRAVEL 75; BOULDERS, COARSE GRAVEL AND SAND 80; GRAVEL AND SAND 84; HARD PACKED BOULDERS GRAVEL AND SAND 85; HARD AND SOFT STREAKS OF BLUE AND BROWN CLAY 97.

DIAMETER OF WELL: 2 INCHES
LENGTH OF CASING: 74 FEET
LENGTH OF SCREEN: 11 FEET
DEPTH OF WELL: 86 FEET

PUMP RATE: 27 IGPM
SPEC. CAP: 7.71 IGPM/FT
AQUIFER : SAND AND GRAVEL
QUALITY : FRESH

1977
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
					01/ 24.10	29/ 25.14		02/ 25.52 30/ 25.72	28/ 25.79		

ENVIRONMENT ONTARIO
TORONTO
REGIONAL MUNICIPALITY OF WATERLOO

OBSERVATION WELL 117

TOWNSHIP OF WILMOT — CONC. BRS LOT 2

WELL REC #: 6502168
UTM CO-ORD: Z=17 E536875 N4804000
LAT & LONG: 43-24NORTH 80-33WEST

REC METHOD: STEEL TAPE
REC COMMCD: JUN. 08 1962
MEASURE PT: 2.6 FEET ABOVE GROUND SURFACE
GND ELEV: 1100 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: MUCK 02; COARSE SAND, FINE GRAVEL 44; CLAY AND GRAVEL 68; CLAY 107; CLAY AND GRAVEL 136.

DIAMETER OF WELL: 2 INCHES
LENGTH OF CASING: N.A.
LENGTH OF SCREEN: N.A.
DEPTH OF WELL: 136 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : CLAY AND GRAVEL
QUALITY : FRESH

1977
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
					01/ 22.21	29/ 23.21		02/ 23.78 30/ 24.12	28/ 23.86		

ENVIRONMENT ONTARIO
TORONTO
REGIONAL MUNICIPALITY OF WATERLOO

OBSERVATION WELL 396

TOWNSHIP OF WILMOT — BRN — LOT 11

WELL REC #: 6502145
UTM CO-ORD: Z-17 E530300 N4804075
LAT & LONG: 43-24NORTH 80-37WEST

REC METHOD: STEEL TAPE
REC COMMCD: JUN 13 1973
MEASURE PT: 4.6 FEET ABOVE GROUND SURFACE
GND ELEV: 1200 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: BROWN CLAY 8; SAND 17; SAND AND GRAVEL 38; BOULDERS, GRAVEL AND BROWN CLAY 51; BROWN CLAY CHANGING TO GREY COLOR 60; SILTY SAND WITH CLAY STREAKS 128; GRAVEL, SAND WITH BOULDERS 155; SAND AND FINE GRAVEL 182; GREY CLAY 205; GREY CLAY, GRAVEL 216; CEMENTED SAND, GRAVEL 218; BEDROCK 218.

DIAMETER OF WELL: 2 INCHES
LENGTH OF CASING: 140 FEET
LENGTH OF SCREEN: 11 FEET
DEPTH OF WELL: 155 FEET

PUMP RATE: 25 IGPM
SPEC. CAP: 6.58 IGPM/FT
AQUIFER 1: SAND AND GRAVEL
QUALITY 1: FRESH

1977
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
				27/ 49.47		29/ 49.79		02/ 49.07 30/ 48.73	28/ 49.02		

ENVIRONMENT ONTARIO
TORONTO
REGIONAL MUNICIPALITY OF WATERLOO

OBSERVATION WELL 514

TOWNSHIP OF WILMOT — CONC. 8RS — LOT 14

WELL REC #: 6503056
UTM CO-ORD: 7-17 E527650 N4805550
LAT & LONG: 43-24NORTH 80-39WEST

REC METHOD: 'EL' TYPE RECORDER
REC COMMCD: JANUARY 1974
MEASURE PT: 4.92 FEET ABOVE GROUND SURFACE
GND ELEV: 1160 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: BLUE CLAY 38; GRAY SILTY SAND 51.

DIAMETER OF WELL: 6 INCHES
LENGTH OF CASING: 43 FEET
LENGTH OF SCREEN: 8 FEET
DEPTH OF WELL: 51 FEET

PUMP RATE: 40 IGPM
SPEC. CAP: 3.3 IGPM/FT
AQUIFER 1: SILTY SAND AND CLAY
QUALITY 1: FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	7.10		7.25		6.81		7.34	7.47	7.33		7.25	7.08	1
2	7.13		7.28		6.87		7.24	7.56	7.33		7.26	7.14	2
3	7.15		7.28		6.91	7.16	7.23	7.59	7.31		7.25	7.12	3
4	7.16	7.32	7.20		6.88	7.12	7.28	7.47	7.29		7.23	7.13	4
5		7.30	7.11		6.89	7.08	7.33	7.32	7.27		7.21	7.15	5
6		7.32	7.04		6.98	7.08		7.30			7.17	7.17	6
7		7.36	7.04		6.97	7.09		7.27		7.21	7.20		7
8	7.24	7.36	7.04	6.76	6.91	7.11		7.25		7.14	7.24		8
9	7.22	7.33	6.93	6.75	6.99	7.14		7.27		6.92	7.25	7.27	9
10	7.16	7.35	6.80	6.72	7.00	7.19		7.25		6.96	7.20	7.30	10
11	7.22	7.33	6.78	6.79	7.04	7.16		7.28		7.03	7.16	7.29	11
12	7.29	7.29	6.66	6.80	7.04	7.11		7.30		7.07	7.18	7.28	12
13	7.31	7.19	6.49	6.80	7.05	7.20	7.22	7.25		7.11	7.17	7.28	13
14	7.26	7.28	6.61	6.86	7.03	7.23	7.26	7.23		7.12	7.20	7.22	14
15	7.25	7.32	6.61	6.91	7.04	7.26	7.25	7.29		7.06	7.21	7.19	15
16	7.24	7.33	6.60	6.84	7.13	7.25	7.23	7.28		7.05	7.17	7.18	16
17	7.25	7.34	6.64	6.81	7.16	7.23	7.21	7.20		7.10	7.14	7.12	17
18	7.29	7.37	6.61	6.83	7.13	7.16	7.27	7.25		7.11	7.16	7.08	18
19	7.30	7.30	6.66	6.86		7.11	7.29	7.26		7.15	7.18	7.12	19
20	7.32	7.27	6.61	6.85		7.18	7.36	7.26		7.18	7.14	7.10	20
21	7.34	7.32	6.72	6.91		7.24	7.38	7.22		7.19	7.16	7.10	21
22	7.33	7.31	6.68	6.86		7.28	7.41	7.26		7.17	7.21	7.14	22
23	7.30	7.34		6.89		7.31	7.44	7.29		7.16	7.17	7.11	23
24	7.28	7.26		6.83		7.29	7.39	7.30		7.19	7.16	7.08	24
25	7.29	7.24		6.72	7.07	7.17	7.40	7.32		7.21	7.16	6.98	25
26	7.31	7.26		6.75	7.10	7.12	7.46	7.29		7.19	7.13	6.99	26
27		7.19		6.77	7.12	7.20	7.54	7.27		7.23	7.16	7.06	27
28		7.24		6.83	7.14	7.25	7.56	7.26		7.28	7.25	7.09	28
29				6.88		7.24	7.50	7.29		7.25	7.29	7.09	29
30				6.83		7.27	7.48	7.30		7.22	7.25	7.10	30
31							7.46	7.31		7.24		7.09	31
					-MONTHLY SUMMARY-								
MEAN								7.31			7.20		MEAN
INST MAX								7.16 (17)			7.07 (21)		INST MAX
INST MIN								7.65 (4)			7.33 (28)		INST MIN

ENVIRONMENT ONTARIO
TORONTO
REGIONAL MUNICIPALITY OF WATERLOO

OBSERVATION WELL 524

TOWNSHIP OF WILMOT — CONC. SRS LOT 15

WELL REC #: 6504745
UTM CO-ORD: Z-17 E527640 N4804700
LAT & LONG: 43-24NORTH 80-40WEST

REC METHOD: PEN TYPE RECORDER
REC COMMCD: JANUARY 1974
MEASURE PT: 0.5 FEET ABOVE GROUND SURFACE
GND ELEV: 1150 FEET ABOVE SEA LEVEL
WELL TYPE: DUG
WELL LOG: OVERBURDEN

DIAMETER OF WELL: 36 INCHES
LENGTH OF CASING: 32 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 32 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : OVERBURDEN
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1								31,48	31,78	31,82	31,35	31,32	1
2								31,49	31,79	31,81	31,35		2
3						30,96		31,50	31,80	31,81			3
4						30,97			31,81	31,79	31,31		4
5						30,97			31,81	31,78	31,31		5
6					29,85				31,82	31,73	31,30		6
7					29,84			31,57	31,83	31,65	31,30		7
8					29,83			31,58	31,83	31,63	31,30		8
9					29,82			31,59	31,89	31,60	31,30		9
10					29,81			31,59	31,90	31,60	31,29		10
11					29,80			31,61	31,90	31,59	31,30		11
12					29,79			31,62	31,91	31,57	31,30		12
13					29,78		31,31	31,63	31,92	31,56	31,30		13
14					29,78		31,32	31,64	31,93	31,54	31,30		14
15					29,77		31,32	31,64	31,94	31,52	31,30		15
16					29,77		31,33	31,65	31,94	31,50	31,30		16
17					29,76		31,34	31,66	31,95	31,49	31,30		17
18					29,76		31,35	31,66	31,96	31,47	31,30		18
19					29,75		31,36	31,67	31,96	31,46	31,32		19
20					29,75		31,36	31,68	31,96	31,45	31,32		20
21					29,75		31,37	31,68	31,97	31,44	31,32		21
22					29,74		31,38	31,69	31,96	31,43	31,33		22
23					29,75		31,39	31,70	31,94	31,42	31,32		23
24					29,75		31,40	31,71	31,92	31,41	31,32		24
25							31,41	31,72	31,91	31,40	31,32		25
26							31,42	31,74	31,89	31,39	31,32		26
27							31,43	31,74	31,90	31,38	31,32		27
28							31,44	31,75	31,90	31,38	31,33		28
29							31,45	31,76	31,88	31,37	31,34		29
30							31,46	31,77	31,86	31,37	31,34		30
31							31,47	31,77		31,36			31
-MONTHLY SUMMARY-													
MEAN									31,89	31,54			MEAN
INST MAX									31,78 (1)	31,36 (31)			INST MAX
INST MIN									31,98 (21)	31,84 (1)			INST MIN

ENVIRONMENT ONTARIO
TORONTO
WELLINGTON COUNTY

OBSERVATION WELL 432

TOWNSHIP OF ERIN — CONC. 9 LOT 4

WELL REC #: 6700628
UTM CO-ORD: Z-17 E574860 N4835410
LAT & LONG: 43-40NORTH 80-04WEST

REC METHOD: A35 RECORDER
REC COMMCD: MAY 1966
MEASURE PT: 3.0 FEET ABOVE GROUND SURFACE
GND ELEV: 1200 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: VERY STONY TILL; SILTY, STONY TILL 30; FINE BROWN SILT SAND WITH STONES 35; GREY SILTY, STONY TILL 70; STONY, HUFF TILL 93; COARSE SAND AND FINE GRAVEL 96; FINE TO MEDIUM GRAVEL 100; FINE TO MEDIUM SAND 105.

DIAMETER OF WELL: 7 INCHES
LENGTH OF CASING: 95 FEET
LENGTH OF SCREEN: 5 FEET
DEPTH OF WELL: 100 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : GRAVEL
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1									44.35		42.43	41.13	1
2									44.37		42.43	41.04	2
3									44.42		42.43	41.00	3
4									44.42		42.42	40.95	4
5									44.40		42.42	40.89	5
6									44.40		42.41	40.75	6
7											42.40	40.72	7
8											42.35	40.75	8
9											42.28	40.67	9
10											42.20	40.66	10
11											42.12	40.73	11
12											42.10	40.68	12
13											42.09	40.59	13
14										42.95	42.03	40.55	14
15										42.84	41.94	40.49	15
16										42.77	41.87	40.44	16
17										42.70	41.84	40.39	17
18										42.64	41.83	40.29	18
19										42.61	41.82	40.23	19
20								44.23		42.61	41.77	40.18	20
21								44.23		42.61	41.69	40.12	21
22								44.23		42.58	41.65	40.09	22
23								44.22		42.57	41.57	40.08	23
24								44.23		42.56	41.47	40.08	24
25								44.25		42.53	41.42	40.01	25
26								44.26		42.46	41.30	39.99	26
27								44.26		42.44	41.27	39.98	27
28								44.27		42.44	41.28	39.98	28
29								44.30		42.43	41.31	39.97	29
30								44.33		42.43	41.29	39.98	30
31								44.35		42.44		39.98	31
-MONTHLY SUMMARY-													
MEAN											41.91	40.43	MEAN
INST MAX											41.24 (30)	39.97 (29)	INST MAX
INST MIN											42.44 (1)	41.24 (1)	INST MIN

ENVIRONMENT ONTARIO
TORONTO
WELLINGTON COUNTY

OBSERVATION WELL 131

TOWNSHIP OF PUSLINCH CONC. 11 LOT 4

WELL REC #: 6702809
UTM CO-ORD: Z=17 E568056 N4822756
LAT & LONG: 43-34NORTH 80-10WEST

REC METHOD: IEI TYPE RECORDER
REC COMMCD: FEB 2 1965
MEASURE PT: 2.8 FEET ABOVE GROUND SURFACE
GND ELEV: 1115 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: LOAM 1; GRAVEL, SAND AND BOULDERS 5; GRAVEL, CLAY AND BOULDERS 27; SAND, GRAVEL, CLAY 32; SAND 38; DARK HARD SHALE 53; GREY LIMESTONE 113; VERY SOFT LIMESTONE 115; GREY LIMESTONE 127; VERY SOFT LIMESTONE 131; HARD GREY LIMESTONE 138.

DIAMETER OF WELL: 12 INCHES
LENGTH OF CASING: 40.5 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 138 FEET

PUMP RATE: 700 IGPM
SPEC. CAP: 140 IGPM/FT
AQUIFER : LIMESTONE
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1		52.09	51.20	47.32			47.48	47.56	53.29	46.89			1
2		51.84	53.07	44.39			47.47	47.58	51.30	46.93	47.26		2
3		52.72		43.86	44.14		47.50	47.59	49.51	46.99	47.26		3
4		52.12		46.38	44.10	47.30	47.50	47.59	49.27	47.01	47.28		4
5		52.99	47.79	46.98	44.08	47.28	47.50	47.59	49.86	46.98	47.30		5
6		49.34	49.18	46.36	44.13	47.23	49.11	47.57	50.82	46.94	47.29		6
7		51.37	50.88	46.46	44.17	47.25	47.44	47.51		46.95	47.25		7
8		52.04	50.92	43.93	44.15	47.26	47.33	47.39		50.47	47.14		8
9		53.07	49.77	43.83	44.19	47.33	47.40	47.42		47.23	47.16		9
10		50.86	49.82	43.80	44.22	47.35	47.46	47.43		47.13			10
11		51.53	49.42	46.23	44.25	47.37	47.46	47.46		47.12			11
12		52.68	46.67	44.65	44.25	47.42	47.45	47.50		47.14			12
13		48.46	45.88	48.43	44.26	48.51	47.49	47.54	53.48	47.16			13
14			47.49	49.15	44.30	47.87	48.15	47.53	53.49	47.15			14
15			45.90		44.36	50.76	48.54	47.58	53.65				15
16			45.91	44.37	48.98	50.23	47.56	48.52	51.30				16
17			46.01	44.05	45.32	47.56	47.53	48.64	47.84				17
18			46.01	47.16	45.82	47.38	47.52	47.49	47.58				18
19	54.02		46.16	44.16	44.43	47.36	47.49	47.49	48.62				19
20	53.13		46.35	46.97		47.39	49.56	47.51	50.00				20
21	54.23		49.84	47.01		47.43	47.72	47.47	48.71				21
22	51.89	51.65	48.21	44.34		47.89	47.63	47.34	49.10				22
23	50.43	51.39	47.23	43.79		47.76	47.60	47.45					23
24	51.04	51.12	49.24	43.66		47.47	47.54	47.48					24
25	54.00	53.66	46.64	43.70		47.43	47.58	47.49	47.69				25
26	54.38	54.02	47.83	44.78		47.41	47.65	47.51	47.27				26
27	54.44	48.96		45.34		47.38	47.65	47.51	47.29				27
28	54.57	48.90		44.01		47.35	47.63	47.53	47.21				28
29	54.60			44.02		47.36	47.60	47.56	46.96				29
30	50.90					47.41	47.59	47.57	46.91				30
31	53.19		46.50				47.62	51.78					31
						=MONTHLY SUMMARY=							
MEAN							47.70	47.72					MEAN
INST MAX							47.29 (7)	47.26 (21)					INST MAX
INST MIN							52.36 (20)	52.98 (31)					INST MIN

ENVIRONMENT ONTARIO
TORONTO
WELLINGTON COUNTY

OBSERVATION WELL 213

TOWNSHIP OF PUSLINCH CONC. 10 LOT 4

WELL REC #: 6704351
UTM CO-ORD: Z=17 E567300 N4822500
LAT & LONG: 43-33NORTH 80-10WEST

REC METHOD: IEI TYPE RECORDER
REC COMMCD: MAR 19 1968
MEASURE PT: 0.0 FEET ABOVE GROUND SURFACE
GND ELEV: 1050 FEET ABOVE SEA LEVEL
WELL TYPE: DUG
WELL LOG: CLAY AND BOULDERS 6; COARSE GRAVEL 11.

DIAMETER OF WELL: 20 INCHES
LENGTH OF CASING: 11 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 11 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : OVERBURDEN
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1			9.35	9.30	9.29	9.21	9.20			9.25		9.33	1
2			9.35	9.30	9.29	9.21	9.20			9.25	9.29	9.33	2
3			9.34	9.29	9.28	9.21	9.21			9.26	9.29	9.33	3
4			9.33	9.29	9.28	9.21	9.21			9.26	9.29	9.33	4
5			9.33	9.28	9.28	9.21	9.21			9.26	9.29	9.33	5
6			9.34	9.28	9.28	9.21	9.21			9.26	9.30	9.33	6
7			9.35	9.29	9.28	9.21	9.20			9.26	9.30	9.33	7
8			9.34	9.29	9.28	9.21	9.20			9.26	9.30	9.34	8
9			9.34	9.31	9.28	9.21	9.21			9.26	9.30	9.34	9
10			9.34	9.31	9.27	9.21	9.21			9.26	9.30	9.34	10
11			9.33	9.31	9.27	9.21	9.21			9.26	9.30	9.34	11
12			9.33	9.31	9.27	9.21	9.21			9.27	9.30	9.34	12
13			9.30	9.30	9.26	9.21			9.22	9.27	9.31	9.34	13
14			9.29	9.29	9.26	9.21			9.23	9.27	9.31	9.33	14
15			9.29	9.29	9.26	9.20			9.23	9.27	9.31	9.33	15
16			9.29	9.29	9.25	9.19			9.23		9.31	9.33	16
17			9.30	9.30	9.24	9.19			9.24		9.31		17
18			9.30	9.30	9.24	9.19			9.24		9.31		18
19			9.31	9.30	9.24	9.19			9.24		9.32		19
20			9.31	9.31	9.23	9.19			9.24		9.32		20
21			9.31	9.30	9.23	9.19			9.24		9.32		21
22		9.33	9.30	9.29	9.23	9.19			9.24		9.33		22
23		9.34	9.30	9.29	9.23	9.19			9.25		9.32		23
24		9.34	9.30	9.28	9.22	9.19			9.25		9.32		24
25		9.33	9.30	9.28	9.22	9.20			9.25		9.32		25
26		9.33	9.31	9.28	9.22	9.20			9.25		9.32		26
27		9.33		9.28	9.21	9.20			9.25		9.33		27
28		9.34		9.28	9.21	9.20			9.25		9.33		28
29				9.29	9.21	9.20			9.25		9.34		29
30				9.29	9.21	9.20			9.25		9.34		30
31			9.31		9.21								31
						=MONTHLY SUMMARY=							
MEAN				9.29	9.25	9.20							MEAN
INST MAX				9.28 (24)	9.21 (31)	9.19 (17)							INST MAX
INST MIN				9.32 (11)	9.30 (1)	9.21 (3)							INST MIN

ENVIRONMENT ONTARIO
TORONTO
WELLINGTON COUNTY

OBSERVATION WELL 397

TOWNSHIP OF PUSLINCH CONC. 9 LOT 4

WELL REC #: 6700871
UTM CO-ORD: Z=17 E566100 N4821250
LAT & LONG: 43-39NORTH 80-11WEST

REC METHOD: A35 RECORDER
REC COMMCD: JUL 25 1973
MEASURE PT: 3.6 FEET ABOVE GROUND SURFACE
GND ELEV: 1078 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: TOPSOIL 2; DIRTY SAND AND GRAVEL 6; GRAVEL AND CLAY 21; BROWN LIMESTONE 29; GREY LIMESTONE 65.

DIAMETER OF WELL: 10 INCHES
LENGTH OF CASING: 22.5 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 65 FEET

PUMP RATE: 1200 IGPM
SPEC. CAP: 141 IGPM/FT
AQUIFER : LIMESTONE
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1					1.97			2.47	2.08				1
2					1.96				1.95				2
3					2.01				1.88				3
4					1.97	2.12			1.82				4
5					1.92	1.98			1.75				5
6					1.96	1.87			1.80	2.12			6
7					2.05	2.11			2.02	2.11			7
8					2.03	2.18			2.17	2.03			8
9					2.09	2.24			2.24	1.91			9
10					2.10	2.30			2.16	1.87			10
11					2.14	2.27			2.38	1.82			11
12					2.14	2.25			2.49				12
13					2.14	2.26			2.56				13
14					2.19	2.25			2.61				14
15					2.24				2.52				15
16					2.27				2.45				16
17					2.30	2.23			2.39				17
18					2.35	2.21			2.30				18
19					2.01	1.96			2.24				19
20					2.07	1.81			2.37				20
21				2.14	2.51	1.73			2.50				21
22				2.15	2.56	1.67			2.37	1.68			22
23				2.12	2.61	1.64			2.29	1.74			23
24				1.99		1.80			2.24	1.74			24
25				1.94						1.72			25
26				1.94				2.27		1.69			26
27				1.92				2.29	2.89	1.72			27
28				1.96			2.11		2.78				28
29				1.99			2.24		2.74				29
30				1.99			2.33	2.29	2.67				30
31							2.44	2.27					31

=MONTHLY SUMMARY=

MEAN													MEAN
INST MAX													INST MAX
INST MIN													INST MIN

ENVIRONMENT ONTARIO
TORONTO
WELLINGTON COUNTY

OBSERVATION WELL 544

TOWNSHIP OF PUSLINCH CONC. 7 LOT 7

WELL REC #: 6702440
UTM CO-ORD: Z=17 E564663 N4817366
LAT & LONG: 43-30NORTH 80-22WEST

REC METHOD: 'F' TYPE RECORDER
REC COMMCD: JUL, 27 1977
MEASURE PT: 0.0 FEET ABOVE GROUND SURFACE
GND ELEV: 1085 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: STONES AND GRAVEL 20; GRAVEL 23; FINE CLAY, SAND AND STONES 43; LIGHT BROWN BROKEN ROCK 45; LIGHT BROWN ROCK 99; DARK BROWN ROCK 135; DARK GRAY ROCK 175; LIGHT GRAY ROCK 235; GRAY AND BLUE LIMESTONE 270; BLUE SHALE 271.

DIAMETER OF WELL: 12 INCHES
LENGTH OF CASING: 45 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 271 FEET

PUMP RATE: 103 IGPM
SPEC. CAP: 0.55 IGPM/FT
AQUIFER : LIMESTONE
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1								7.77		6.37			1
2								7.44		6.44			2
3								7.38		6.43		5.44	3
4								7.58		6.51		5.44	4
5								7.57		6.36		5.33	5
6								7.40		6.46		5.47	6
7								7.38				5.53	7
8								7.75		6.55		5.47	8
9								7.84		6.41		5.37	9
10								7.50		6.41		5.49	10
11								7.48		6.56		5.62	11
12												5.55	12
13										6.42		5.39	13
14										6.55		5.51	14
15										6.57		5.47	15
16										6.61		5.50	16
17								7.47		6.49		5.39	17
18								7.34		6.58		5.54	18
19								7.27		6.56		5.57	19
20										6.66		5.61	20
21										6.54		5.49	21
22													22
23										6.64		5.67	23
24										6.76		5.68	24
25										6.61		5.54	25
26								7.42		6.73		5.65	26
27								7.42		6.69		5.62	27
28								7.51		6.82		5.60	28
29									6.49	6.64		5.45	29
30							7.37		6.54				30
31							7.66						31

=MONTHLY SUMMARY=

MEAN													MEAN
INST MAX													INST MAX
INST MIN													INST MIN

Central Region

Ministry of the Environment
Ontario

OBSERVATION WELL DATA

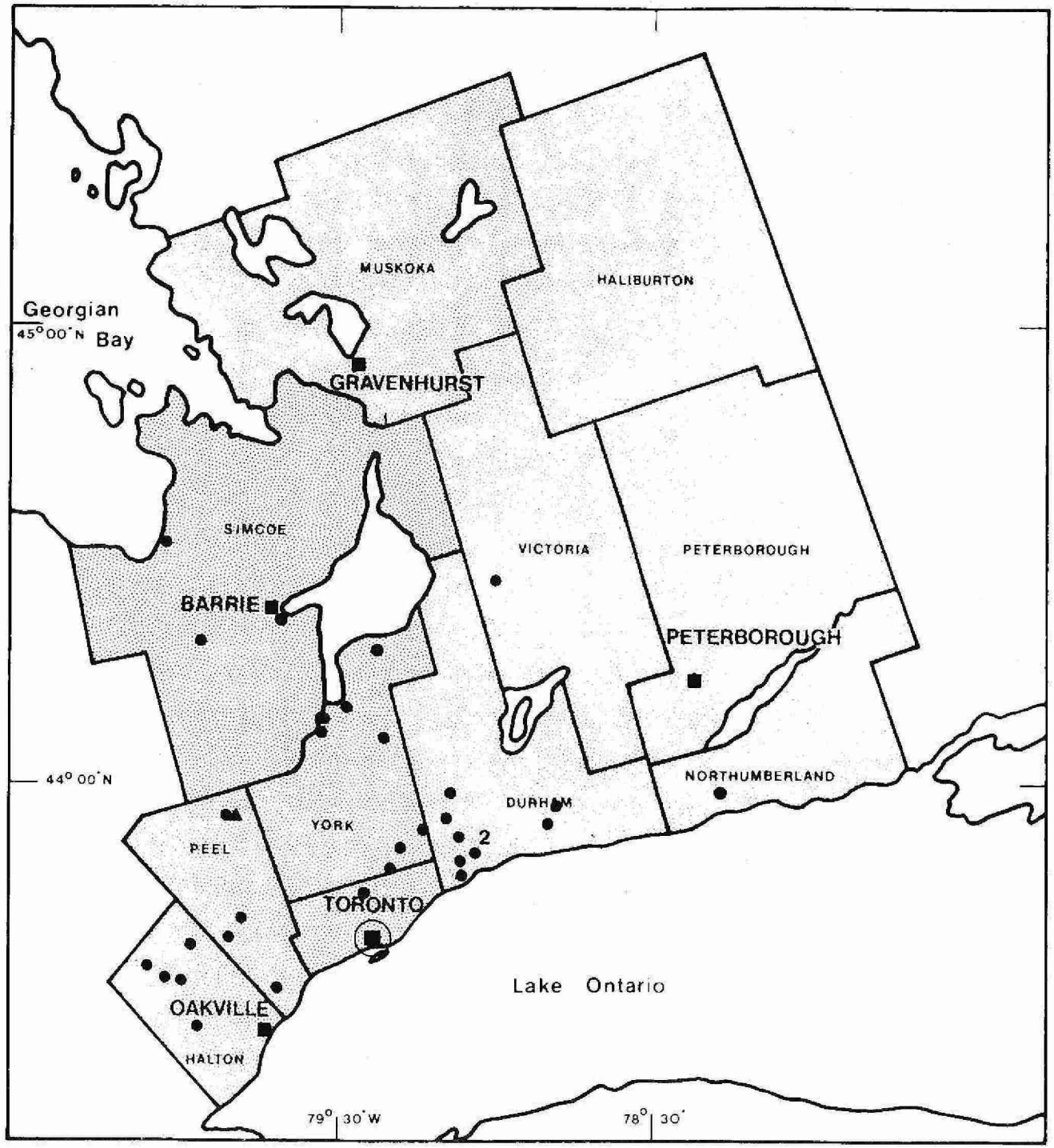
REGIONAL OFFICE
DON MILLS
150 Ferrand Dr.
416-424-3000

DISTRICT OFFICES
Barrie
12 Fairview Rd.
705-726-1730

Muskoka-Haliburton
Gravenhurst Shopping Centre
705-687-3408

Peterborough
139 George St. N.
705-743-2972

Halton-Peel
125 Cross Ave. Oakville
416-822-2566



OBSERVATION WELL DISTRIBUTION

LEGEND

- Regional Office
- District Office
- Recording Observation Well
- Number of Recording Wells in same location (2)
- Manually Measured Well
- Number of Manually Measured Wells in same location (2)

ENVIRONMENT ONTARIO
TORONTO
REGIONAL MUNICIPALITY OF DURHAM

OBSERVATION WELL 302

TOWNSHIP OF PICKERING — CONC. 7 — LOT 21

WELL REC #: 4605198
UTM CO-ORD: Z-17 E650180 N4866820
LAT & LONG: 43-57NORTH 79-09WEST

REC METHOD: TFT TYPE RECORDER
REC COMMCD: JUN 9 1970
MEASURE PT: 0.0 FEET ABOVE GROUND SURFACE
GND ELEV: 450 FEET ABOVE SEA LEVEL
WELL TYPE: DUG
WELL LOG: TILL OVERBURDEN 20.

DIAMETER OF WELL: 48 INCHES
LENGTH OF CASING: 20 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 20 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : TILL
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.28				3.62	5.36	5.56	5.69	4.88	2.86			1
2	5.33				3.64	5.37	5.61	5.71	4.42	2.42			2
3	5.36				3.70	5.39	5.65	5.74	4.11	2.71			3
4	5.41		3.18		3.70	5.40	5.68	5.76	4.01	3.04			4
5	5.42		2.56		3.68	5.43	5.66	5.78	4.00				5
6			2.91		3.74	5.45	5.65	5.72	3.98			5.17	6
7			3.05		3.93	5.47	5.59	5.66	3.96			5.22	7
8			3.00	2.97	4.04	5.50	5.53	5.61	3.93			5.28	8
9			2.42	2.97	4.16	5.54	5.51	5.59	3.93			3.31	9
10			1.66	2.98	4.26	5.58	5.53	5.55	3.89			3.33	10
11		5.66	1.72	3.04	4.37	5.59	5.54	5.49	3.88			3.37	11
12		5.66	1.72		4.46	5.61	5.53	5.46	3.94			3.41	12
13		5.46	1.51		4.56	5.65	5.55	5.43	3.97			3.44	13
14		5.07	1.64	3.48	4.65	5.66	5.61	5.40	3.74			2.83	14
15		4.74	1.94	3.52	4.75	5.69	5.56	5.42	3.74			2.61	15
16		4.64	2.08	3.54	4.85	5.70	5.36	5.40	3.69			2.80	16
17		4.70	2.18	3.57	4.93	5.67	5.31	5.32	3.45			2.94	17
18		4.73		3.58	5.00	5.63	5.32	5.28	3.44			3.04	18
19		4.84		3.60	5.04	5.60	5.33	5.27	3.46			3.12	19
20		4.81		3.63	5.07	5.60	5.36	5.26	3.29			3.14	20
21		4.81		3.62	5.09	5.64	5.40	5.25	3.12			3.09	21
22		4.85		3.25	5.11	5.69	5.46	5.16	3.13			3.14	22
23		4.91		2.97	5.14	5.72	5.50	5.16	3.17			3.16	23
24			2.45	2.96	5.18	5.72	5.52	5.14	3.42			3.17	24
25			2.45	3.17	5.21	5.62	5.54	5.13	2.58			2.76	25
26			2.46	3.30	5.25	5.62	5.62	5.15	2.51				26
27			2.47	3.39	5.29	5.65	5.68	5.20	2.60				27
28			2.56	3.49	5.32	5.67	5.70	5.27	2.78				28
29			2.58	3.56	5.35	5.49	5.71	5.28	2.93				29
30				3.59	5.38	5.55	5.73	5.28	3.11				30
31					5.38		5.74	5.20					31
						-MONTHLY SUMMARY-							
MEAN					4.64	5.58	5.55	5.41	3.57				MEAN
INST MAX					5.61 (1)	5.36 (1)	5.30 (18)	5.10 (31)	2.42 (25)				INST MAX
INST MIN					5.39 (31)	5.72 (23)	5.76 (31)	5.79 (5)	5.10 (1)				INST MIN

ENVIRONMENT ONTARIO
TORONTO
REGIONAL MUNICIPALITY OF DURHAM

OBSERVATION WELL 329

TOWNSHIP OF PICKERING — CONC.7 — LOT 2

WELL REC #: 4605090
UTM CO-ORD: Z-17 E653700 N4869025
LAT & LONG: 43-58NORTH 79-06WEST

REC METHOD: TFT TYPE RECORDER
REC COMMCD: DEC 21 1970
MEASURE PT: 3.3 FEET ABOVE GROUND SURFACE
GND ELEV: 599 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: BROWN FINE SAND, SILT 8: GREY CLAY, SILT, SAND AND PEBBLES 16.

DIAMETER OF WELL: 6 INCHES
LENGTH OF CASING: 16 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 16 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : CLAY
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1						5.28	5.86	6.59	7.18	7.17			1
2						5.29	5.92	6.61	7.19	7.14			2
3						5.30	5.95	6.63	7.20	7.12			3
4					5.37	5.31	5.97	6.65	7.22				4
5					5.35	5.32	6.00	6.67	7.22				5
6					5.34	5.34	6.02	6.70	7.23				6
7					5.33	5.35	6.05	6.72	7.25				7
8					5.32	5.37	6.08	6.74	7.26				8
9					5.30	5.39	6.10	6.76	7.26				9
10					5.29	5.40	6.13	6.79	7.26				10
11					5.28	5.42	6.16	6.81	7.26				11
12					5.28	5.44	6.18	6.83	7.27				12
13					5.27	5.46	6.20	6.86	7.27				13
14					5.27	5.47	6.20	6.88	7.27	6.91			14
15					5.27	5.49	6.22	6.90	7.28	6.89			15
16					5.27	5.51	6.22	6.92	7.28	6.86			16
17					5.26	5.54	6.25	6.94	7.29	6.83			17
18					5.26	5.56	6.25	6.95	7.28	6.81			18
19					5.26	5.58	6.28	6.97	7.28	6.79			19
20					5.26	5.60	6.31	7.00	7.29	6.77			20
21					5.25	5.63	6.32	7.01	7.29	6.75			21
22					5.25	5.66	6.34	7.03	7.28	6.73			22
23					5.25	5.69	6.37	7.04	7.28	6.71			23
24					5.25	5.70	6.39	7.05	7.27	6.70			24
25					5.25	5.73	6.41	7.07	7.26	6.69			25
26					5.26	5.77	6.43	7.08	7.25	6.67			26
27					5.27	5.80	6.46	7.10	7.24				27
28					5.26	5.81	6.48	7.11	7.22				28
29					5.26	5.82	6.50	7.12	7.20				29
30					5.27	5.83	6.54	7.14	7.19				30
31					5.27		6.56	7.16					31
						-MONTHLY SUMMARY-							
MEAN						5.53	6.23	6.90	7.25				MEAN
INST MAX						5.28 (1)	5.82 (1)	6.57 (1)	7.17 (1)				INST MAX
INST MIN						5.84 (30)	6.57 (31)	7.17 (31)	7.29 (17)				INST MIN

ENVIRONMENT ONTARIO
TORONTO
REGIONAL MUNICIPALITY OF DURHAM

OBSERVATION WELL 405

TOWNSHIP OF PICKERING — CONC. 6 — LOT 20

WELL REC #: 4605830
UTM CO-ORD: Z-17 E651608 N4864396
LAT & LONG: 43-55NORTH 79-06WEST

REC METHOD: A35 RECORDER
REC COMMCD: MAY 16 1974
MEASURE PT: 3.6 FEET ABOVE GROUND SURFACE
GND ELEV: 665 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: BRCAN SANDY CLAY, GRAVEL 35; SAND, FINE GRAVEL, SILTY CLAY 40; GREY FINE SAND, SILT 80; GRAVEL, SAND, BOULDERS 82; GREY CLAY, SAND 97.

DIAMETER OF WELL: 6 INCHES
LENGTH OF CASING: 85.0 FEET
LENGTH OF SCREEN: 3 FEET
DEPTH OF WELL: 86.0 FEET

PUMP RATE: 12 IGPM
SPEC. CAP: .447 IGPM/FT
AQUIFER : SAND AND GRAVEL
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	31.71		32.72	31.90	30.58	30.47	31.20	31.72	32.23	32.01	30.87	28.54	1
2	31.97		32.80	31.45	30.39	30.58	31.59	31.89	32.23	31.90	30.84	28.53	2
3	31.86		32.86	31.53	30.58	30.95	31.52	31.90	32.25	31.94	30.84	28.64	3
4	31.75	32.11	32.57	31.49	30.47	30.97	31.44	31.90	32.27	31.91	30.87	28.71	4
5	31.82	32.20	32.41	30.73	30.14	30.77	31.40	31.90	32.15	31.87	30.99	28.67	5
6	31.74	32.48	32.72	31.19	30.11	30.67	31.39	31.90	32.27	31.81	30.85	28.25	6
7	31.56	32.53	32.73	31.50	30.42	30.68	31.37	31.89	32.34	31.91	30.73	28.46	7
8	31.99	32.52	32.73	31.42	30.35	30.62	31.40	31.89	32.35	31.60	30.68	28.84	8
9	32.02	32.40	32.61	31.47	30.43	30.94	31.51	31.97	32.21	31.18	30.67	28.30	9
10	31.52	32.41	32.62	31.22	30.48	31.11	31.65	31.95	32.12	31.37	30.39	28.80	10
11	31.74	32.39	32.75	30.98	30.50	31.06	31.59	31.97	32.36	31.41	30.26		11
12	31.98	32.41	32.56	30.92	30.50	30.97	31.44	32.02	32.41	31.25	30.50		12
13	32.22	32.13	32.16	30.80	30.41	31.13	31.47	31.98	32.26	31.47	30.63		13
14		32.34	32.24	30.80	30.59	31.17	31.64	31.97	32.26	31.53	30.40		14
15		32.64	32.37	30.89	30.80	31.18	31.64	32.16	32.60	31.22	30.01		15
16		32.71	32.14	30.87	30.85	31.16	31.60	32.09	32.48	31.14	29.77		16
17		32.63	32.26	30.82	30.60	30.98	31.58	31.88	32.33	31.13	29.66		17
18		32.53	32.16	30.79	30.46	30.93	31.59	32.04	32.29	31.10	29.70		18
19		32.46	31.78	30.77		30.91	31.59	32.13	32.26	31.15	30.06		19
20		32.52	31.84	30.80		31.05	31.58	32.11	32.31	31.32	30.13		20
21		32.53	32.26	30.82		31.17	31.59	32.08	32.47	31.34	29.70		21
22		32.44	32.16	30.77		31.30	31.75	31.94	32.51	31.27	29.81		22
23		32.80	32.03	30.76		31.35	31.76	32.11	32.49	31.50	29.65		23
24		32.52	31.90	30.52	30.70	31.24	31.62	32.17	32.35	31.37	29.29		24
25		32.35	31.86	30.43	30.65	31.09	31.49	32.28	32.17	31.15	29.24		25
26		32.72	31.88	30.43	30.64	31.12	31.75	32.28	32.06	30.92	28.86		26
27		32.60	31.92	30.42	30.59	31.24	31.87	32.18	32.02	30.88	29.27		27
28		32.70	31.65	30.39	30.46	31.25	31.85	32.18	32.17	30.89	29.40		28
29			31.48	30.70	30.72	31.11	31.70	32.21	32.27	31.00	29.66		29
30			31.53	30.68	30.81	31.29	31.68	32.26	32.18	31.00	29.33		30
31			31.57		30.76		31.70	32.29		30.98			31
						-MONTHLY SUMMARY-							
MEAN			32.23	30.94		31.02	31.57	32.04	32.29	31.37	30.10		MEAN
INST MAX			31.46 (29)	30.24 (28)		30.43 (1)	31.17 (1)	31.67 (1)	31.94 (27)	30.84 (28)	28.82 (26)		INST MAX
INST MIN			32.84 (3)	31.95 (1)		31.36 (23)	31.89 (27)	32.31 (25)	32.63 (15)	32.13 (1)	31.01 (5)		INST MIN

ENVIRONMENT ONTARIO
TORONTO
REGIONAL MUNICIPALITY OF DURHAM

OBSERVATION WELL 406

TOWNSHIP OF PICKERING — CONC. 8 — LOT 24

WELL REC #: 4605831
UTM CO-ORD: Z-17 E646822 N4868413
LAT & LONG: 43-57NORTH 79-09WEST

REC METHOD: A35 RECORDER
REC COMMCD: MAY 28 1974
MEASURE PT: 3.5 FEET ABOVE GROUND SURFACE
GND ELEV: 793 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: BROWN SANDY CLAY, GRAVEL 9; GREY CLAY, GRAVEL 24; GREY SANDY CLAY, GRAVEL 50; GREY FINE SAND 38; GREY CLAY AND SOME GRAVEL 44; GREY FINE SAND 46; GREY SAND, GRAVEL, CLAY 50; GREY SANDY CLAY 52; GREY SAND, CLAY AND GRAVEL LAYERS 68; GREY CLAY, SAND AND GRAVEL 203; SAND, GRAVEL 237; GREY CLAY 265; SAND AND GRAVEL 284; BLACK SAND AND GRAVEL 296; BLACK SHALE 305.

DIAMETER OF WELL: 6 INCHES
LENGTH OF CASING: 51 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 305 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : SAND AND GRAVEL
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.11		3.22	1.08	1.32	2.79	3.29	3.36	3.47	0.72	1.06		1
2	3.26		3.22	0.97	1.36	2.79	3.33	3.42	3.24	0.64	1.07		2
3	3.30	3.77	3.22	0.90	1.50	2.93	3.41	3.48	2.85	0.63	1.08		3
4	3.29	3.69	3.22	0.89	1.54	3.00	3.43	3.55	2.49	0.63	1.09		4
5	3.28	3.64	2.92	0.69	1.55	3.01	3.43	3.54	2.25	0.63	1.10		5
6	3.26	3.65	2.76	0.84	1.57	2.99	3.35	3.54	2.21	0.63	1.10		6
7	3.17	3.74	2.73	0.97	1.72	2.98	3.20	3.53	2.21	0.69	1.05		7
8	3.23	3.85	2.70	1.06	1.79	3.00	3.15	3.50	2.21	0.65	0.77		8
9	3.30	3.90	2.62	1.10	1.85	3.09	3.15	3.47	2.20	0.42	0.55		9
10	3.19	3.87		1.10	1.93	3.17	3.17	3.47	2.16	0.40			10
11	3.19	3.83		1.05	2.01	3.22	3.18	3.44	2.23	0.39			11
12	3.36	3.82		1.05	2.07	3.27	3.16	3.43	2.31	0.39			12
13	3.47	3.80	2.15	1.05	2.10	3.32	3.17	3.43	2.30	0.40			13
14	3.44		1.90	1.12	2.17	3.35	3.28	3.44	2.19	0.40			14
15	3.41		1.69	1.23	2.29	3.40	3.22	3.49	2.28	0.39			15
16	3.41		1.57	1.31	2.35	3.43	2.97	3.51	2.22	0.38			16
17	3.41		1.37	1.39	2.37	3.38	2.88	3.32	2.01	0.38			17
18	3.40		1.31	1.46	2.37	3.33	2.83	3.32	1.84	0.38			18
19	3.40		1.22	1.53	2.39	3.29	2.79	3.38	1.75	0.43			19
20	3.40		1.27	1.61	2.42	3.30	2.78	3.40	1.67	0.54			20
21	3.40		1.29	1.65	2.46	3.38	2.80	3.41	1.51	0.61			21
22	3.41		1.30	1.58	2.52	3.48	2.93	3.29	1.47	0.69			22
23	3.42		1.29	1.33	2.55	3.53	3.00	3.27	1.41	0.79			23
24			1.32	1.07	2.60	3.54	3.01	3.28	1.35	0.81			24
25			1.40	0.94	2.62	3.44	3.02	3.32	1.11	0.81			25
26		3.32	1.44	0.91	2.62	3.43	3.14	3.36	0.94	0.80			26
27		3.29	1.41	0.91	2.62	3.44	3.28	3.36	0.84	0.79			27
28		3.22	1.24	0.95	2.62	3.44	3.33	3.36	0.83	0.84			28
29			1.12	1.13	2.68	3.34	3.35	3.37	0.83	0.93			29
30			1.06	1.23	2.81	3.32	3.35	3.42	0.83	0.99			30
31			0.99		2.83		3.35	3.46		1.02			31
						-MONTHLY SUMMARY-							
MEAN				1.14	2.18	3.25	3.15	3.42	1.90	0.62			MEAN
INST MAX				0.68 (5)	1.28 (1)	2.77 (2)	2.78 (20)	3.27 (23)	0.82 (30)	0.38 (16)			INST MAX
INST MIN				1.66 (21)	2.84 (30)	3.54 (26)	3.43 (3)	3.55 (5)	3.48 (1)	1.05 (31)			INST MIN

ENVIRONMENT ONTARIO
TORONTO
REGIONAL MUNICIPALITY OF DURHAM

OBSERVATION WELL 512

TOWNSHIP OF PICKERING — CONC. 5 — LOT 21

WELL REC #: 4800903
UTM CO-ORD: Z=17 E651820 N4862274
LAT & LONG: 43=44NORTH 79=07WEST

REC METHOD: ASS RECORDER
REC COMPLD: OCT 26 1970
MEASURE PT: 3.65 FEET ABOVE GROUND SURFACE
GND ELEV: 000 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: BRWN SILTY SAND, TILL 12; GREY SILT SAND, TILL 55; GREY STONEY SAND, TILL 100; GREY FINE SAND 128; GREY SILT, TILL 152; GREY FINE TO MEDIUM SAND, STONES 256; GREY CLAY AND SHALE FRAGMENTS, TILL 266; LAYERED LIMESTONE AND SHALE 271.

DIAMETER OF WELL: 5 INCHES
LENGTH OF CASING: 163 FEET
LENGTH OF SCREEN: 9 FEET
DEPTH OF WELL: 171 FEET

PUMP RATE: 15 IGPM
SPEC. CAP: 6.5 IGPM/FT
AQUIFER : FINE SAND
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	26.29	26.42	26.78	26.40	26.13	26.15	26.36						1
2	26.42	26.57	26.86	26.29	26.12	26.12	26.42						2
3	26.48	26.53	26.95	26.22	26.14	26.17	26.48						3
4	26.47	26.50	26.86	26.24	26.13	26.22	26.51						4
5	26.50	26.50	26.79	26.04	26.06	26.22	26.53						5
6	26.53	26.59	26.84	26.07	26.00	26.19	26.51						6
7	26.45	26.71	26.87	26.15	26.01	26.17	26.47						7
8	26.50	26.75	26.90	26.23	25.99	26.16	26.46						8
9	26.55	26.76	26.92	26.32	25.99	26.17	26.48						9
10	26.58	26.76	26.94	26.32	26.00	26.25	26.56						10
11	26.59	26.76	26.97	26.33	26.04	26.28	26.59						11
12	26.49	26.75	26.96	26.33	26.05	26.29	26.58						12
13	26.58	26.60	26.77	26.28	26.05	26.32							13
14	26.54	26.58	26.75	26.26	26.06	26.38							14
15	26.49	26.66	26.71	26.27	26.09	26.43							15
16	26.47	26.75	26.61	26.28	26.13	26.46							16
17	26.44	26.76	26.60	26.29	26.14	26.43							17
18	26.42	26.76	26.46	26.30	26.13	26.35							18
19	26.42	26.76	26.49	26.28	26.14	26.28							19
20	26.43	26.77	26.45	26.28	26.16	26.28							20
21	26.46	26.76	26.49	26.28	26.18	26.31							21
22	26.56	26.74	26.43	26.26	26.20	26.39							22
23	26.64	26.76	26.42	26.23	26.22	26.44							23
24	26.61	26.71	26.46	26.14	26.24	26.46							24
25	26.52	26.65	26.54	26.08	26.25	26.42							25
26	26.43	26.72	26.56	26.06	26.25	26.40							26
27	26.51	26.71	26.58	26.01	26.23	26.40							27
28	26.50	26.74	26.51	25.98	26.17	26.41							28
29	26.29		26.41	26.06	26.20	26.31							29
30	26.52		26.36	26.11	26.22	26.31							30
31	26.55		26.35		26.24								31
					-MONTHLY SUMMARY-								
MEAN	26.45	26.68	26.67	26.21	26.13	26.31							MEAN
INST MAX	26.22 (1)	26.37 (1)	26.35 (31)	25.95 (28)	25.96 (8)	26.12 (1)							INST MAX
INST MIN	26.64 (23)	26.79 (23)	26.98 (12)	26.40 (2)	26.26 (25)	26.47 (16)							INST MIN

ENVIRONMENT ONTARIO
TORONTO
REGIONAL MUNICIPALITY OF DURHAM

OBSERVATION WELL 301

TOWNSHIP OF UXBRIDGE — CONC. 4 — LOT 1

WELL REC #: 4805147
UTM CO-ORD: Z=17 E648450 N4872000
LAT & LONG: 43=59NORTH 79=09WEST

REC METHOD: 'E' TYPE RECORDER
REC COMPLD: JUN 3 1970
MEASURE PT: 0.0 FEET ABOVE GROUND SURFACE
GND ELEV: 935 FEET ABOVE SEA LEVEL
WELL TYPE: DUG
WELL LOG: OVERBURDEN 19; SAND AND GRAVEL 23.

DIAMETER OF WELL: 48 INCHES
LENGTH OF CASING: 23 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 23 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : GRAVEL
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	18.00		18.07	18.37	18.69	17.34	17.67	18.02	18.12	17.38	17.35	15.91	1
2	18.01	18.25	18.11	18.24	18.67	17.45	17.76	18.05	17.97	17.19	17.39	15.70	2
3	18.03	18.24	18.12	18.25	18.77	17.53	17.80	18.05	17.77	17.07	17.41	15.80	3
4	18.02			18.31	18.77	17.50	17.76	18.05	17.72	17.04	17.47	15.84	4
5	18.03			18.10	18.71	17.45	17.77	18.05	17.72	17.07	17.54	15.71	5
6				18.33	18.75	17.46	17.74	18.01	17.81	17.13	17.52	15.70	6
7				18.40	18.90	17.52	17.73	17.97	17.87	17.22	17.46	15.94	7
8				18.42	18.88	17.57	17.73	17.97	17.89	17.13	17.13	16.15	8
9				18.44	18.93	17.63	17.79	18.03	17.87	16.91	16.89	16.07	9
10				18.38	18.97	17.66	17.84	18.02	17.89	16.75	16.70	16.28	10
11		18.23		18.35	17.01	17.61	17.81	18.02	17.99	16.68	16.48	16.39	11
12		18.21		18.40	17.03	17.65	17.79	18.02	18.02	16.67	16.45	16.36	12
13		18.12		18.40	17.03	17.70	17.85	18.02	17.98	16.77	16.43	16.34	13
14		18.20		18.48	17.09	17.66	17.91	18.03	17.98	16.77	16.36	16.25	14
15		18.25		18.56	17.13	17.66	17.87	18.10	18.09	16.72	16.29	15.95	15
16		18.26		18.59	17.16	17.66	17.78	18.05	18.05	16.77	16.27	15.75	16
17		18.24	15.99	18.61	17.15	17.63	17.74	17.94	17.97	16.84	16.22	15.65	17
18		18.22	16.00	18.63	17.15	17.64	17.77	17.97	17.94	16.88	16.19	15.59	18
19		18.23		18.65	17.20	17.66	17.77	18.00	17.94	16.94	16.20	15.70	19
20		18.24		18.69	17.23	17.68	17.80	18.01	17.94	17.02	16.17	15.76	20
21		18.24		18.74	17.26	17.69	17.84	18.01	17.90	17.04	16.17	15.78	21
22		18.23		18.72	17.28	17.71	17.92	17.96	17.86	17.06	16.15	15.88	22
23		18.23		18.66	17.31	17.72	17.91	18.02	17.82	17.17	16.15	15.97	23
24		18.19	16.58	18.54	17.31	17.68	17.88	18.05	17.79	17.14	16.12	16.01	24
25		18.12	16.69	18.48	17.25	17.65	17.88	18.07	17.67	17.12	16.11	15.88	25
26		18.16	16.72	18.51	17.27	17.68	17.98	18.06	17.48	17.11	15.99	15.67	26
27		18.07	16.66	18.53	17.26	17.73	18.02	18.05	17.38	17.17	16.12	15.67	27
28		18.00	16.58	18.55	17.28	17.72	18.01	18.07	17.41	17.25	16.16	15.89	28
29			16.46	18.69	17.39	17.66	17.98	18.09	17.45	17.31	16.25	15.92	29
30			16.34	18.70	17.41	17.70	17.99	18.11	17.44	17.33	16.16	15.95	30
31			16.27		17.38		18.00	18.13		17.34			31
					-MONTHLY SUMMARY-								
MEAN				18.49	17.08	17.62	17.84	18.03	17.82	17.03	16.58		MEAN
INST MAX				18.05 (5)	18.66 (2)	17.33 (1)	17.64 (1)	17.92 (17)	17.56 (27)	16.65 (11)	15.96 (26)		INST MAX
INST MIN				18.74 (21)	17.42 (30)	17.73 (27)	18.03 (27)	18.13 (31)	18.13 (1)	17.44 (1)	17.55 (5)		INST MIN

ENVIRONMENT ONTARIO
TORONTO
REGIONAL MUNICIPALITY OF HALTON

OBSERVATION WELL 414

TOWNSHIP OF ESQUESING CONC. 3 LOT 16

WELL REC #: 2800838
UTM CO-ORD: Z-17 E582900 N4826900
LAT & LONG: 43-35NORTH 79-59WEST

REC METHOD: A35 RECORDER
REC COMPLD: AUGUST 1966
MEASURE PT: 3.0 FEET ABOVE GROUND SURFACE
GND ELEV: 1075 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: BRWN SAND AND STONES 5; WHITE GREY LIMESTONE 25; GREY BLACK LIMESTONE 38.5.

DIAMETER OF WELL: 7 INCHES
LENGTH OF CASING: 9.5 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 38.5 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : LIMESTONE
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS REFFERED TO DISTANCE IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1			6.54		3.35	6.11	7.19	7.93	6.47		4.64	1.86	1
2		7.80	6.58	2.44	3.51	6.25	7.38	8.02	6.48		4.70	2.26	2
3			6.57	2.00	3.74	6.42	7.48	8.10	6.47		4.77	2.55	3
4			6.15	2.13	3.78	6.46	7.53	8.17	6.45		4.84	2.79	4
5			4.67	1.71	3.83	6.47	7.58	8.22			4.81	2.75	5
6			4.65	2.14	4.02	6.41	7.41	8.23			4.47	2.93	6
7			4.67	2.41	4.22	6.37	7.04	8.21		3.08	2.52	3.15	7
8	7.00		4.65	2.66	4.22	6.48	6.56	7.92		2.68	2.48	3.07	8
9	7.03		3.86	2.76	4.41	6.66	6.75	7.60		1.54	2.28	3.21	9
10	6.76		2.27	2.82	4.48	6.79	6.93	7.55		2.09	2.13	3.40	10
11			1.62	2.93	4.61	6.81	6.97	7.55		2.36	2.51	3.42	11
12			1.53	3.10	4.65	6.89	7.01	7.62		2.59	2.69	3.34	12
13				3.16	4.72	7.02	7.14	7.68		2.79	2.76	3.40	13
14	7.09			3.36	4.83	7.07	7.28	7.66	6.12	2.82	2.80	2.36	14
15	7.13			3.53	4.95	7.16	7.26	7.70	6.20	2.88	2.83	1.92	15
16	7.19			3.66	5.06	7.20	6.95	7.58	6.16	2.93	2.48	2.11	16
17	7.20			3.78	5.08	7.17	6.99	6.49	5.60	3.01	2.29	2.24	17
18	7.27			3.89	5.12	6.98	7.10	6.73	5.35	3.18	2.51	2.27	18
19	7.29			3.99	5.22	6.89	7.16	6.91	5.03	3.41	2.62	2.07	19
20	7.35			4.13	5.31	7.05	7.26	7.08	4.72	3.56	2.51	2.03	20
21	7.40			4.19	5.41	7.20	7.37	7.11	4.50	3.68	2.65	2.16	21
22	7.43			4.22	5.52	7.32	7.53	6.73	4.50	3.91	2.71	2.36	22
23	7.43			2.53	5.64	7.37	7.57	6.80	4.55	3.97	2.47	2.49	23
24	7.41			1.66	5.67	7.37	7.58	6.85	4.56	4.02	2.56	2.54	24
25	7.39	6.92		2.05	5.52	7.31	7.63	6.77	1.16	4.04	2.55	2.14	25
26	7.36	6.87		2.39	5.63	7.23	7.79	6.73	0.71	4.15	2.87	2.34	26
27		6.83		2.57	5.71	7.34	7.87	6.70		4.28	3.03	2.66	27
28		6.62		2.83	5.81	7.36	7.92	6.66		4.41	3.31	2.82	28
29				3.06	6.04	7.12	7.94	6.60		4.47	3.33	2.99	29
30				3.21	6.13	7.12	8.00	6.53		4.53	3.00	3.15	30
31					6.14		7.99	6.50		4.56		3.31	31
						-MONTHLY SUMMARY-							
MEAN					4.91	6.91	7.36	7.32			3.07	2.65	MEAN
INST MAX					3.28 (1)	6.08 (1)	6.53 (8)	6.44 (17)			1.91 (30)	1.67 (1)	INST MAX
INST MIN					6.16 (31)	7.38 (24)	8.03 (31)	8.24 (6)			4.65 (4)	3.43 (11)	INST MIN

ENVIRONMENT ONTARIO
TORONTO
REGIONAL MUNICIPALITY OF HALTON

OBSERVATION WELL 437

TOWNSHIP OF ESQUESING CONC. 1 LOT 26

WELL REC #: 2800686
UTM CO-ORD: Z-17 E576800 N4828000
LAT & LONG: 43-36NORTH 80-03WEST

REC METHOD: A35 RECORDER
REC COMPLD: MAY 1966
MEASURE PT: 3.0 FEET ABOVE GROUND SURFACE
GND ELEV: 1200 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: CLAY TILL 4.5; BEDROCK 50.

DIAMETER OF WELL: 7 INCHES
LENGTH OF CASING: 26 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 50 FEET

PUMP RATE: 4 IGPM
SPEC. CAP: 0.41 IGPM/FT
AQUIFER : ROCK
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.19	4.85	4.12	0.0	0.83	3.64	4.39	4.79	4.21	-0.02	2.24	-0.11	1
2	4.25	4.88	4.15	-0.10	0.97	3.71	4.56	4.79	4.27	-0.17	2.33	-0.17	2
3	4.26	4.84	4.14	-0.31	1.15	3.80	4.63	4.80	4.31	0.03	2.40	-0.03	3
4	4.28	4.83	3.79	-0.24	1.22	3.87	4.69	4.80	4.34	0.22	2.50	0.16	4
5	4.32	4.85	2.08	-0.51	1.27	3.90	4.74	4.80	4.37	0.38	2.55	0.27	5
6	4.31	4.86	1.83	-0.19	1.41	3.87	4.59	4.80	4.45	0.57	2.58	0.35	6
7	4.29	4.86	1.82	-0.08	1.60	3.85	4.27	4.80	4.51	0.73	1.95	0.54	7
8	4.36	4.87	1.66	0.05	1.69	3.92	4.01	4.75	4.56	0.45	0.39	0.64	8
9	4.40	4.86	0.68	0.14	1.83	3.99	4.16	4.59	4.56	-0.26	0.33	0.64	9
10	4.28	4.86	-0.27	0.13	1.94	4.09	4.27	4.66	4.59	-0.05	0.11	0.84	10
11	4.41	4.85	-0.26	0.18	2.10	4.12	4.33	4.69	4.66	0.04	0.01	0.91	11
12	4.49	4.85	-0.30	0.29	2.20	4.17	4.41	4.74	4.71	0.10	0.20	0.92	12
13	4.52	4.79	-0.68	0.38	2.30	4.25	4.53	4.81	4.57	0.30	0.34	0.94	13
14	4.49	4.80	-0.44	0.50	2.41	4.30	4.62	4.68	4.26	0.39	0.45	0.26	14
15	4.50	4.83	-0.33	0.61	2.55	4.35	4.62	4.67	4.34	0.46	0.48	-0.12	15
16	4.52	4.83	-0.23	0.72	2.67	4.37	4.62	4.61	4.22	0.42	0.39	-0.11	16
17	4.54	4.83	-0.11	0.82	2.75	4.37	4.62	3.84	3.75	0.55	0.11	-0.06	17
18	4.58	4.80	-0.09	0.92	2.81	4.23	4.62	4.03	3.55	0.68	0.06	-0.03	18
19	4.59	4.81	0.04	1.04	2.87	4.15	4.62	4.15	3.33	0.82	0.11	0.01	19
20	4.64	4.82	0.03	1.12	2.92	4.23	4.62	4.27	3.14	0.96	0.15	-0.02	20
21	4.67	4.82	0.12	1.20	3.04	4.33	4.67	4.35	3.07	1.07	0.0	0.01	21
22	4.72	4.80	-0.01	1.14	3.15	4.42	4.74	3.33	3.11	1.20	0.16	0.06	22
23	4.74	4.84	0.08	0.07	3.22	4.51	4.76	3.45	3.16	1.35	0.11	0.10	23
24	4.70	4.72	0.07	-0.22	3.26	4.54	4.77	3.59	2.89	1.43	-0.02	0.12	24
25	4.68	4.36	0.19	-0.07	3.19	4.51	4.78	3.72	0.40	1.51	0.07	-0.13	25
26	4.66	4.37	0.16	0.07	3.28	4.50	4.78	3.79	-0.05	1.57	0.13	-0.01	26
27	4.67	4.28	0.03	0.19	3.34	4.57	4.78	3.87	-0.02	1.69	0.41	0.17	27
28	4.69	4.19	-0.15	0.38	3.41	4.62	4.79	3.97	0.15	1.82	0.55		28
29	4.74		-0.30	0.57	3.54	4.31	4.79	4.04	0.31	1.95	0.68		29
30	4.78		-0.20	0.71	3.62	4.32	4.79	4.11	0.43	2.08	0.65		30
31	4.80		-0.16		3.66		4.79	4.15		2.16			31
						-MONTHLY SUMMARY-							
MEAN	4.52	4.76	0.69	0.32	2.46	4.19	4.59	4.34	3.27	0.79	0.75		MEAN
INST MAX	4.15 (1)	4.14 (28)	-0.76 (13)	-0.64 (5)	0.79 (1)	3.63 (1)	3.95 (8)	3.25 (22)	-0.25 (26)	-0.35 (9)	-0.10 (23)		INST MAX
INST MIN	4.80 (31)	4.89 (2)	4.16 (3)	1.25 (22)	3.66 (31)	4.74 (28)	4.79 (31)	4.86 (13)	4.72 (12)	2.19 (31)	2.80 (7)		INST MIN

ENVIRONMENT ONTARIO
TORONTO
REGIONAL MUNICIPALITY OF HALTON

OBSERVATION WELL 377

TOWN OF GEORGETOWN — CONC. - — LOT -

WELL REC #: 2804289
UTM CO-ORD: Z-17 E586240 N4852900
LAT & LONG: 43-39NORTH 79-56WEST

REC METHOD: A35 RECORDER
REC COMPLD: APR 26 1973
MEASURE PT: 2.0 FEET ABOVE GROUND SURFACE
GND ELEV: 860 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: RED CLAY, SAND AND GRAVEL 27; FINE SAND 80; COARSE SAND 109.

DIAMETER OF WELL: 5 INCHES
LENGTH OF CASING: 87 FEET
LENGTH OF SCREEN: 22 FEET
DEPTH OF WELL: 109 FEET

PUMP RATE: 45 IGPM
SPEC. CAP: N.A.
AQUIFER : COARSE SAND
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	7.91	7.10			8.24	7.66	7.49	8.00	8.57	9.21	8.89	8.49	1
2	7.91			8.75	8.17	7.55	7.49	8.07	8.25	9.10	8.92	8.42	2
3	7.94			8.60	8.18	7.54	7.56	8.15	8.72	9.16	8.91	8.38	3
4	7.80			8.59	8.11	7.54	7.97	8.31	8.69	9.21	9.28	8.35	4
5	7.96			8.53	8.05	7.54	7.79	8.03	8.77	9.26	9.08	7.49	5
6	8.03			8.54	8.03	7.51	7.60	8.06	8.90	9.23	8.99	8.12	6
7	8.06			8.65	7.99	7.45	7.64	8.12	8.93	9.24	8.96	8.19	7
8	8.05			8.62	7.91	7.46	7.65	8.15	8.98	9.24	8.93	8.21	8
9	8.01			8.57	7.89	7.56	7.66	8.21	8.95	9.18	8.93	8.18	9
10	8.00			8.53	7.86	7.54	7.62	8.24	8.73	9.16	8.48	8.22	10
11	7.92			8.51	7.86	7.51	7.68	8.30	8.96	9.16	7.65	8.31	11
12	7.80			8.56	7.58	7.50	7.69	8.37	9.04	9.17	8.56	8.23	12
13	7.84			8.57	7.75	7.87	7.72	8.40	9.06	9.10	8.66	8.09	13
14	7.81			8.69	7.72	8.07	7.74	8.03	9.14	9.15	8.78	8.04	14
15	7.81			8.62	7.75	8.23	7.54	8.30	9.15	9.16	8.60		15
16	7.78			8.61	7.83	8.32	7.65	8.25	9.18	8.06	8.59		16
17	7.72			8.61	7.55	7.72	7.70	8.26	9.16	7.57	8.56		17
18	7.66			8.59	7.84	7.69	7.73	8.39	9.16	7.98	8.51		18
19	7.64			8.59	7.94	7.58	7.80	8.43	9.22	8.67	8.62		19
20	7.59			8.58	8.05	7.61	7.80	8.43	9.29	8.86	8.63		20
21	7.54			8.57	8.33	7.65	7.90	8.46	9.33	8.88	8.65		21
22	7.49			8.55	8.13	7.65	7.84	8.51	9.34	8.88	8.54		22
23	7.52			8.45	8.30	7.65	7.83	8.55	9.37	8.84	8.66		23
24	7.44			8.34	7.95	7.63	7.81	8.56	9.33	8.91	8.62		24
25	7.41			8.31	7.79	7.10	7.81	8.61	9.19	8.94	8.64		25
26	7.37			8.44	7.73	7.49	7.86	8.62	9.20	8.97	8.63		26
27	7.33			8.32	7.89	7.54	7.91	8.57	9.11	8.84	8.51		27
28	7.29			8.33	7.93	7.54	7.85	8.55	9.07	8.88	7.75		28
29	7.23			8.14	7.89	7.29	7.92	8.58	9.21	8.94	8.82		29
30	7.19			8.25	8.09	7.50	8.01	8.79	9.23	8.85	8.64		30
31	7.15				7.80		7.93	8.79		8.96			31
					-MONTHLY SUMMARY-								
MEAN	7.68				7.93	7.62	7.75	8.36	9.04	8.93	8.67		MEAN
INST MAX	5.56 (12)				6.48 (28)	6.44 (29)	6.63 (1)	7.13 (1)	7.48 (2)	7.31 (18)	7.18 (28)		INST MAX
INST MIN	8.70 (13)				10.41 (21)	10.34 (16)	10.01 (21)	10.90 (30)	10.69 (14)	10.80 (5)	12.59 (4)		INST MIN

ENVIRONMENT ONTARIO
TORONTO
REGIONAL MUNICIAPLITY OF HALTON

OBSERVATION WELL 415

TOWNSHIP OF OAKVILLE — CONC. 6 — LOT 1

WELL REC #: 2802576
UTM CO-ORD: Z-17 E599450 N4817100
LAT & LONG: 43-30NORTH 79-46WEST

REC METHOD: A35 RECORDER
REC COMPLD: AUGUST 1966
MEASURE PT: 2.0 FEET ABOVE GROUND SURFACE
GND ELEV: 800 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: REDDISH TILL 5; RED SHALE 50.

DIAMETER OF WELL: 7 INCHES
LENGTH OF CASING: 16.75 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 50 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : RED SHALE
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS REFFERED TO DISTANCE IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.59	4.60	6.22		4.05								1
2	4.56	4.57	6.18	3.79	4.15								2
3	4.55	4.67	6.09	3.55	4.27								3
4	4.54	4.67	6.17	3.52	4.31								4
5	4.55	4.65	7.90	3.48	4.34								5
6	4.54	4.58	7.37	3.44	4.42								6
7	4.54	4.56	6.70	3.55	4.49								7
8	4.55	4.55	6.43	3.72	4.49								8
9	4.54	4.60	7.12	3.84	4.52								9
10	4.69	4.60	7.86	3.90	4.55								10
11	4.56	4.64	7.21	3.98	4.59								11
12	4.58	4.67	6.67	4.05	4.61								12
13	4.66	4.84	6.59	4.08	4.63								13
14	4.74	5.16	7.54	4.17	4.65								14
15	4.76	5.51	6.70	4.20	4.67								15
16	4.77	5.70	6.30	4.23									16
17	4.72	5.75	5.97	4.28									17
18	4.70	5.70		4.30									18
19	4.69	5.54		4.35									19
20	4.67	5.41		4.39									20
21	4.66	5.31		4.42									21
22	4.68	5.20		4.40									22
23	4.70	5.06		2.96									23
24	4.78	5.05		1.94									24
25	4.82	5.28		2.56									25
26	4.89	5.60		2.97									26
27	4.85	5.87		3.26									27
28	4.79	6.06		3.55									28
29	4.72			3.78									29
30	4.67			3.93									30
31	4.66												31
					-MONTHLY SUMMARY-								
MEAN	4.67	5.09											MEAN
INST MAX	4.51 (9)	4.54 (8)											INST MAX
INST MIN	4.94 (26)	6.18 (28)											INST MIN

ENVIRONMENT ONTARIO
TORONTO
REGIONAL MUNICIPALITY OF HALTON

OBSERVATION WELL 374

TOWNSHIP OF TRAFALGAR — CONC. 3 — LOT 14

WELL REC #: 2803707
UTM CO-ORD: Z-17 E591175 N4818750
LAT & LONG: 43-31NORTH 79-52WEST

REC METHOD: 'F' TYPE RECORDER
REC COMMCD: SEP 29 1971
MEASURE PT: 2.0 FEET ABOVE GROUND SURFACE
GND ELEV: 659 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: TOPSOIL 1; VERY HARD CLAY TILL 7; GRAVEL AND SOME GREY CLAY 8.5; BROWNISH CLAY 11.5.

DIAMETER OF WELL: 4 INCHES
LENGTH OF CASING: 8 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 9 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : CLAY
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.55	5.80	5.96	1.15	1.83	4.52	4.74	5.24	5.14	1.87	3.25	2.16	1
2	5.57	5.50	5.98	1.15	1.94	4.53	4.77	5.19	5.14	1.65	3.35	1.91	2
3	5.59	5.26	5.98	1.12	2.08	4.59	4.82	5.16	5.13	1.59	3.46	1.71	3
4	5.61	5.29	5.95	1.07	2.20	4.65	4.87	5.15	5.12	1.52	3.55	1.59	4
5		5.31	5.88	0.98	2.30	4.67	4.91	5.15	5.12	1.52	3.63	1.56	5
6		5.34	5.80	0.95	2.41	4.69	4.95	5.15	5.12		3.73	1.54	6
7		5.38	5.66	0.95	2.56	4.71	4.97		5.14		3.80	1.55	7
8	5.56	5.43	5.50	1.01	2.71	4.72	4.95		5.29		3.80	1.61	8
9	5.59	5.46	5.22	1.10	2.82	4.74	4.89		5.31		3.13	1.67	9
10	5.60	5.49	4.59	1.19	2.94	4.76	4.84		5.31	1.57	2.80	1.73	10
11	5.60	5.52	4.02	1.31	3.06	4.78	4.81		5.34	1.71	2.59	1.82	11
12	5.63	5.54	3.56	1.43	3.17	4.80	4.79		5.37	1.74	2.44	1.92	12
13	5.66	5.57	3.16	1.57	3.27	4.84	4.79	5.15	5.40	1.55	2.37	2.00	13
14	5.66	5.59	2.74	1.72	3.38	4.88	4.80	5.13	5.41	1.43	2.35	2.01	14
15	5.66	5.62	2.42	1.87	3.49	4.90	4.83	5.14	5.45	1.38	2.34	1.76	15
16	5.66	5.65	2.18	2.02	3.60	4.90	4.85	5.14	5.46	1.40	2.31	1.52	16
17	5.67	5.69	2.08	2.17	3.68	4.88	4.84	5.08	5.45	1.49	2.24	1.32	17
18	5.67	5.71	2.02	2.30	3.76	4.82	4.85	4.97	5.33	1.56	2.17	1.14	18
19	5.68	5.74	1.99	2.43	3.84	4.76	4.86	4.88	5.18	1.61	2.13	1.00	19
20	5.70	5.76	2.00	2.56	3.92	4.73	4.88	4.84	5.00	1.66	2.11	0.88	20
21	5.72	5.78	2.01	2.68	4.00	4.72	4.89	4.81	4.83	1.76	2.09	0.80	21
22	5.75	5.81	1.99	2.79	4.07	4.74	4.94	4.79	4.69	1.89	2.09	0.73	22
23	5.77	5.83	1.93	2.84	4.15	4.77	4.98	4.79	4.55	2.04	2.09	0.71	23
24	5.76	5.85	1.86	2.25	4.21	4.78	5.01	4.82	4.41	2.19	2.08	0.68	24
25	5.76	5.87	1.80	1.95	4.26	4.79	5.04	4.86	3.75	2.37	2.06	0.66	25
26	5.76	5.89	1.77	1.75	4.30	4.78	5.10	4.90	3.07	2.54	2.03	0.66	26
27	5.76	5.92	1.70	1.63	4.33	4.77	5.15	4.94	2.61	2.67	2.03	0.72	27
28	5.76	5.94	1.57	1.60	4.35	4.75	5.20	4.97	2.32	2.77	2.07	0.82	28
29	5.76		1.41	1.65	4.39	4.73	5.24	5.02	2.18	2.87	2.14	0.94	29
30	5.78		1.27	1.73	4.44	4.73	5.27	5.07	2.09	3.01	2.21	1.09	30
31	5.79		1.17		4.49		5.28	5.11		3.14		1.25	31
-MONTHLY SUMMARY-													
MEAN		5.63	3.26	1.69	3.42	4.75	4.94		4.66		2.61	1.34	MEAN
INST MAX		5.24 (2)	1.15 (31)	0.95 (5)	1.77 (1)	4.51 (1)	4.73 (1)		2.02 (30)		2.01 (27)	0.66 (25)	INST MAX
INST MIN		5.95 (28)	5.98 (4)	2.82 (22)	4.51 (31)	4.90 (16)	5.29 (31)		5.47 (16)		3.85 (8)	2.22 (1)	INST MIN

ENVIRONMENT ONTARIO
TORONTO
REGIONAL MUNICIPALITY OF HALTON

OBSERVATION WELL 531

CITY OF BURLINGTON — NS 3 — LOT 2

WELL REC #: N.A.
UTM CO-ORD: Z-17 E590760 N4806960
LAT & LONG: 43-25NORTH 79-52WEST

REC METHOD: 'F' TYPE RECORDER
REC COMMCD: APRIL 1977
MEASURE PT: 2.5 FEET ABOVE GROUND SURFACE
GND ELEV: 925 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: POSSIBLE LOG: OVERBURDEN 63; LIMESTONE BEDROCK 65.

DIAMETER OF WELL: 6 INCHES
LENGTH OF CASING: N.A.
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 65 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : LIMESTONE
QUALITY : N.A.

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1												15.48	1
2												14.73	2
3												14.78	3
4												15.09	4
5												15.17	5
6												15.20	6
7												15.81	7
8												16.26	8
9												16.12	9
10												16.66	10
11												17.11	11
12												17.05	12
13												17.09	13
14												16.13	14
15												13.90	15
16												13.27	16
17												12.92	17
18												12.27	18
19												11.26	19
20												10.75	20
21												10.69	21
22												10.66	22
23												11.06	23
24												11.20	24
25												10.48	25
26												10.41	26
27												10.87	27
28												11.27	28
29												11.64	29
30												12.06	30
31												12.54	31
-MONTHLY SUMMARY-													
MEAN												13.56	MEAN
INST MAX												10.29 (26)	INST MAX
INST MIN												17.15 (11)	INST MIN

ENVIRONMENT ONTARIO
TORONTO
NORTHUMBERLAND COUNTY

OBSERVATION WELL 530

TOWNSHIP OF HOPE — CONC. 5 — LOT 26

WELL REC #: 1901998
UTM CO-ORD: Z=17 E707800 N4870500
LAT & LONG: 43-58NORTH 78-25WEST

REC METHOD: A35 RECORDER
REC COMMCD: OCT. 25 1977
MEASURE PT: 0.5 FEET ABOVE GROUND SURFACE
GND ELEV: 480 FEET ABOVE SEA LEVEL
WELL TYPE: SCREEN
WELL LOG: TOPSOIL 01; SANDY BROWN CLAY 12; GRAVELLY BROWN CLAY

DIAMETER OF WELL: 30 INCHES
LENGTH OF CASING: 22.5 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 22.5 FEET

PUMP RATE: 2 IGPM
SPEC. CAP: N.A.
AQUIFER : GRAVELLY BROWN CLAY
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1											5.27	5.05	1
2											5.30	2.55	2
3											5.34	2.79	3
4											5.38	3.06	4
5											5.43	3.33	5
6											5.44	3.55	6
7											5.45	3.77	7
8											4.88	3.94	8
9											4.17	3.99	9
10											3.95	4.10	10
11											3.55	4.16	11
12											3.60	4.20	12
13											3.75	4.25	13
14											3.86	3.89	14
15											3.92	2.87	15
16											3.87	2.73	16
17											3.02	2.73	17
18											2.81	2.80	18
19											2.90	2.97	19
20											3.15	3.06	20
21											3.21	2.83	21
22											3.31	2.62	22
23											3.40	2.75	23
24											3.05	2.86	24
25											3.15	2.34	25
26										4.98	3.07	2.29	26
27										5.02	3.41	2.67	27
28										5.08	3.67	3.02	28
29										5.15	3.81	3.29	29
30										5.19	3.82	3.50	30
31										5.24		3.64	31
					-MONTHLY SUMMARY-								
MEAN											3.96	3.21	MEAN
INST MAX											2.78 (18)	2.14 (26)	INST MAX
INST MIN											5.45 (7)	4.27 (13)	INST MIN

ENVIRONMENT ONTARIO
TORONTO
REGIONAL MUNICIPALITY OF PEEL

OBSERVATION WELL 251

TOWNSHIP OF ALBION — CONC. 6 — LOT 23

WELL REC #: 4904158
UTM CO-ORD: Z=17 E594400 N4864030
LAT & LONG: 43-57NORTH 79-49WEST

REC METHOD: STEEL TAPE
REC COMMCD: MAR, 03 1970
MEASURE PT: 3.62 FEET ABOVE GROUND SURFACE
GND ELEV: 899 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: BLACK SOIL 04; BROWN CLAY, SAND AND STONES 38; BROWN SAND AND A FEW STONES 60.

DIAMETER OF WELL: 1 INCH
LENGTH OF CASING: 57 FEET
LENGTH OF SCREEN: 3 FEET
DEPTH OF WELL: 60 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : SAND
QUALITY : FRESH

1977
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
					29/ 37.89	22/ 38.08		15/ 38.36	05/ 38.38		

ENVIRONMENT ONTARIO
TORONTO
REGIONAL MUNICIPALITY OF PEEL

OBSERVATION WELL 252

TOWNSHIP OF ALBION — CONC. 6 — LOT 23

WELL REC #: 4904159
UTM CO-ORD: Z=17 E594400 N4864030
LAT & LONG: 43-57NORTH 79-49WEST

REC METHOD: STEEL TAPE
REC COMMCD: MAR, 03 1970
MEASURE PT: 3.62 FEET ABOVE GROUND SURFACE
GND ELEV: 899 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: BLACK SOIL 04; BROWN CLAY, SAND AND STONES 38; BROWN SAND WITH A FEW STONES 65; GREY CLAY, STONES AND SAND 88; BROWN-YELLOW SILT, CLAY 106; BLUE CLAY, STONES 130; BROWN-YELLOW SILT, CLAY 142.

DIAMETER OF WELL: 1 INCH
LENGTH OF CASING: 139 FEET
LENGTH OF SCREEN: 3 FEET
DEPTH OF WELL: 142 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : SAND
QUALITY : FRESH

1977
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
					29/ 42.19	22/ 42.83		15/ 42.98	05/ 43.08		

ENVIRONMENT ONTARIO
TORONTO
REGIONAL MUNICIPALITY OF PEEL

OBSERVATION WELL 253

TOWNSHIP OF ALBION — CONC. 6 — LOT 23

WELL REC #: 4906160
UTM CO-ORD: Z-17 E594400 N4864030
LAT & LONG: 43-57NORTH 79-49WEST

REC METHOD: "F" TYPE RECORDER
REC COMPLT: MAR 3 1970
MEASURE PT: 3.0 FEET ABOVE GROUND SURFACE
GND ELEV: 906 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: BLACK SOIL 4; BROWN CLAY, SAND AND STONES 38; BROWN SAND AND A FEW STONES 65; GREY CLAY, STONES AND SAND 84; ORGANISH YELLOW SILT, CLAY 106; BLUE CLAY AND STONES 150; BROWNISH YELLOW SILT, CLAY 214; GREY HARDPAN 218.

DIAMETER OF WELL: 5 INCHES
LENGTH OF CASING: 215 FEET
LENGTH OF SCREEN: 3 FEET
DEPTH OF WELL: 218 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : HARDPAN
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	42.97	43.30	43.42	43.04	42.66	42.69	42.95	43.23		43.63	43.25	43.07	1
2	42.98	43.31	43.43	43.01	42.66	42.69	42.96	43.24		43.62	43.25	43.07	2
3	42.99	43.32	43.43	42.99	42.65	42.70	42.97	43.26		43.62	43.25	43.06	3
4	43.02	43.32	43.43	42.98	42.64	42.71	42.98	43.27		43.62	43.25	43.05	4
5	43.03	43.33	43.43	42.96	42.63	42.71	42.98	43.27		43.60	43.25	43.04	5
6	43.03	43.34	43.43	42.94	42.63	42.72	42.99	43.27	43.51	43.59	43.25		6
7	43.04	43.35	43.43	42.92	42.63	42.73	43.00	43.27	43.51	43.58	43.24		7
8	43.05	43.36	43.43	42.89	42.63	42.73	43.01	43.28	43.52	43.56	43.24		8
9		43.36	43.42	42.87	42.63	42.74	43.02	43.29	43.53	43.54	43.24		9
10		43.37	43.42	42.86	42.63	42.75	43.02	43.30	43.54	43.52	43.24		10
11		43.36	43.42	42.84	42.63	42.75	43.03	43.31	43.54	43.50	43.24		11
12		43.36	43.42	42.82	42.62	42.76	43.03	43.31	43.55	43.48			12
13			43.40	42.81	42.62	42.76	43.03	43.32	43.56	43.47			13
14	43.13		43.38	42.79	42.62	42.76	43.04	43.32	43.57	43.46			14
15	43.14		43.36	42.78	42.63	42.77	43.05	43.33	43.58	43.44			15
16	43.14		43.33	42.76	42.63	42.77	43.06	43.33	43.59	43.42			16
17	43.15		43.30	42.75	42.64	42.78	43.07	43.34	43.60	43.41		43.03	17
18	43.16		43.28	42.74	42.64	42.79	43.08	43.35	43.60	43.39		43.03	18
19	43.17	43.39	43.25	42.73	42.64	42.80	43.09	43.35	43.61	43.38		43.01	19
20	43.18	43.39	43.23	42.72	42.64	42.81	43.10	43.36	43.61	43.36		43.00	20
21	43.19	43.39	43.21	42.72	42.64	42.82	43.11	43.37	43.61	43.35			21
22	43.21	43.39	43.20	42.72	42.64	42.82	43.12	43.37	43.62	43.34			22
23	43.22	43.40	43.20	42.72	42.64	42.83	43.13	43.38	43.62	43.33			23
24	43.23	43.40	43.19	42.70	42.64	42.85	43.14		43.62	43.32			24
25	43.24	43.41	43.17	42.67	42.64	42.87	43.15		43.63	43.30			25
26	43.24	43.41	43.16	42.68	42.64	42.89	43.16		43.63	43.29			26
27	43.25	43.42	43.15	42.68	42.65		43.17		43.63	43.28			27
28	43.26	43.42	43.13	42.68	42.65		43.18		43.64	43.27			28
29	43.27		43.11	42.67	42.66		43.19		43.64	43.27			29
30	43.29		43.09	42.67	42.67	42.94	43.20		43.63	43.26			30
31	43.30		43.06		42.68		43.21			43.25			31
					-MONTHLY SUMMARY-								
MEAN			43.30	42.80	42.64		43.07			43.43			MEAN
INST MAX			43.05 (31)	42.67 (30)	42.62 (13)		42.95 (1)			43.25 (31)			INST MAX
INST MIN			43.43 (6)	43.05 (1)	42.68 (31)		43.22 (31)			43.63 (1)			INST MIN

ENVIRONMENT ONTARIO
TORONTO
REGIONAL MUNICIPALITY OF PEEL

OBSERVATION WELL 167

TOWNSHIP OF CHINGUACOUSY — MSA 5 LOT 5

WELL REC #: 4901999
UTM CO-ORD: Z-17 E596500 N4832180
LAT & LONG: 43-38NORTH 79-48WEST

REC METHOD: A35 RECORDER
REC COMPLT: DEC 15 1965
MEASURE PT: 4.5 FEET ABOVE GROUND SURFACE
GND ELEV: 875 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: TOPSOIL 2; BROWN CLAY, GRAVEL 7; SAND AND GRAVEL 17; CLAY AND GRAVEL 20.

DIAMETER OF WELL: 6 INCHES
LENGTH OF CASING: 15 FEET
LENGTH OF SCREEN: 5 FEET
DEPTH OF WELL: 20 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : CLAY AND GRAVEL
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS REFERRED TO DISTANCE IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1							6.80	7.24	7.40	6.41	6.13	5.84	1
2							6.82	7.27	7.45	6.33	6.16	5.80	2
3							6.84	7.28	7.46	6.19	6.18	5.76	3
4							6.86	7.32	7.47	6.05	6.20	5.70	4
5							6.87	7.36	7.47	5.96	6.22	5.64	5
6							6.89	7.38	7.48	5.93	6.22	5.61	6
7							6.92	7.32	7.50	5.93	6.24	5.62	7
8							6.95	7.29	7.52	5.93	6.24	5.63	8
9							6.95	7.26	7.53	5.93	6.26	5.61	9
10							6.94	7.23	7.53	5.89	6.26	5.70	10
11							6.94	7.19	7.52	5.83	6.26	5.71	11
12							6.94	7.19	7.53	5.79	6.26	5.71	12
13							6.94	7.18	7.54	5.78	6.24	5.71	13
14							6.96	7.19	7.55	5.77	6.19	5.70	14
15							6.96	7.20	7.56	5.77	6.13	5.71	15
16							6.98	7.21	7.56	5.77	6.10	5.68	16
17							6.99	7.21	7.57	5.77	6.10	5.60	17
18						6.52	6.98	7.21	7.57	5.79	6.09	5.56	18
19						6.53	6.98	7.22	7.57	5.81	6.08	5.53	19
20						6.55	6.99	7.24	7.57	5.85	6.06	5.45	20
21						6.56	7.01	7.24	7.57	5.86	6.02	5.35	21
22						6.57	7.02	7.26	7.56	5.89	6.00	5.28	22
23						6.58	7.02	7.26	7.56	5.93	5.95	5.23	23
24						6.58	7.04	7.28	7.57	5.95	5.92	5.18	24
25						6.60	7.06	7.30	7.43	5.97	5.90	5.12	25
26						6.64	7.09	7.32	7.13	5.99	5.88	5.11	26
27						6.67	7.11	7.34	6.87	6.02	5.88	5.09	27
28						6.70	7.13	7.35	6.66	6.05	5.88	5.08	28
29						6.72	7.14	7.36	6.56	6.07	5.89	5.08	29
30						6.77	7.16	7.37	6.47	6.09	5.89	5.08	30
31							7.20	7.37		6.11		5.09	31
					-MONTHLY SUMMARY-								
MEAN							6.98	7.27	7.39	5.95	6.09	5.48	MEAN
INST MAX							6.78 (1)	7.18 (12)	6.44 (30)	5.76 (14)	5.87 (30)	5.08 (29)	INST MAX
INST MIN							7.22 (31)	7.39 (6)	7.56 (24)	6.44 (1)	6.27 (10)	5.87 (1)	INST MIN

ENVIRONMENT ONTARIO
TORONTO
REGIONAL MUNICIPALITY OF PEEL

OBSERVATION WELL 168

TOWNSHIP OF CHINGUACOUSY MSE 2 LOT 15

WELL REC #: 4901205
UTM CO-ORD: Z-17 E597150 N4844050
LAT & LONG: 43-45NORTH 79-48WEST

REC METHOD: A35 RECORDER
REC COMPLD: MAR 4 1966
MEASURE PT: 3.0 FEET ABOVE GROUND SURFACE
GND ELEV: 810 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: TOPSOIL 1; SANDY CLAY, ODD BIT OF GRAVEL 29; SAND, CLAY AND SOME GRAVEL 35; SAND AND GRAVEL 47; FINE SAND, AND GRAVEL, ODD BIT OF CLAY 51; CLAY, SAND, GRAVEL 55; SAND, GRAVEL AND ODD BIT OF CLAY 80.

DIAMETER OF WELL: 12 INCHES
LENGTH OF CASING: 55 FEET
LENGTH OF SCREEN: 20 FEET
DEPTH OF WELL: 73 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : SAND AND GRAVEL
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1						24.11	24.64	25.06	25.35	25.56	25.62	25.44	1
2						24.23	24.77	25.13	25.36	25.53	25.60	25.45	2
3						24.36	24.76	25.11	25.38	25.57	25.60	25.53	3
4					24.30	24.38	24.73	25.14	25.34	25.59	25.60	25.57	4
5					24.21	24.40	24.74	25.13	25.31	25.59	25.68	25.59	5
6					24.25	24.41	24.74	25.15	25.39	25.56	25.66	25.38	6
7					24.33	24.41	24.77	25.14	25.40	25.62	25.57	25.40	7
8					24.22	24.40	24.82	25.14	25.40	25.61	25.53	25.64	8
9					24.28	24.39	24.91	25.19	25.29	25.41	25.58	25.43	9
10					24.27	24.44	24.94	25.14	25.34	25.39	25.54	25.61	10
11					24.28	24.39	24.86	25.20	25.45	25.53	25.47		11
12					24.22	24.39	24.81	25.20	25.44	25.47	25.55		12
13					24.19	24.46	24.91	25.17	25.35	25.52	25.71		13
14					24.21	24.47	24.97	25.21	25.41	25.63	25.69	25.46	14
15					24.26	24.51	24.94	25.27	25.54	25.54	25.60	25.50	15
16					24.26	24.50	24.97	25.17	25.48	25.43	25.48	25.55	16
17					24.19	24.52	24.95	25.15	25.43	25.47	25.48	25.55	17
18					24.17	24.52	24.98	25.24	25.40	25.45	25.49	25.45	18
19					24.22	24.53	24.95	25.26	25.41	25.42	25.63	25.46	19
20					24.24	24.53	24.96	25.27	25.42	25.52	25.73	25.46	20
21					24.22	24.60	24.99	25.22	25.54	25.59	25.59	25.38	21
22					24.23	24.63	25.05	25.20	25.58	25.58	25.65	25.37	22
23					24.25	24.64	25.02	25.27	25.56	25.62	25.67	25.42	23
24					24.27	24.58	24.94	25.31	25.54	25.67	25.52	25.39	24
25					24.23	24.54	24.92	25.34	25.47	25.60	25.58	25.27	25
26					24.21	24.61	25.08	25.31	25.44	25.54	25.41	25.35	26
27					24.17	24.64	25.11	25.29	25.43	25.49	25.54	25.36	27
28					24.13	24.60	25.08	25.33	25.52	25.52	25.59	25.38	28
29					24.26	24.59	25.01	25.34	25.59	25.61	25.75	25.31	29
30					24.29	24.66	25.02	25.36	25.57	25.63	25.69	25.31	30
31					24.22		24.99	25.35		25.64		25.34	31
						-MONTHLY SUMMARY-							
MEAN						24.48	24.91	25.22	25.44	25.55	25.59		MEAN
INST MAX						24.10 (1)	24.54 (1)	24.97 (1)	25.25 (9)	25.34 (10)	25.38 (26)		INST MAX
INST MIN						24.69 (30)	25.13 (27)	25.37 (30)	25.01 (29)	25.69 (24)	25.80 (29)		INST MIN

ENVIRONMENT ONTARIO
TORONTO
REGIONAL MUNICIPALITY OF PEEL

OBSERVATION WELL 065

TOWNSHIP OF TORONTO R 5 CIR LOT 13

WELL REC #: 4902206
UTM CO-ORD: Z-17 E609543 N4820409
LAT & LONG: 43-32NORTH 79-39WEST

REC METHOD: A35 RECORDER
REC COMPLD: JUN 4 1954
MEASURE PT: 1.0 FEET ABOVE GROUND SURFACE
GND ELEV: 360 FEET ABOVE SEA LEVEL
WELL TYPE: OBS
WELL LOG: SAND AND GRAVEL 27; RED SHALE 31.

DIAMETER OF WELL: 36 INCHES
LENGTH OF CASING: 31 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 31 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : SHALE
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1					24.19	24.14	24.46	24.37	24.47	24.36	24.09		1
2				24.56	24.16	24.14	24.43	24.36	24.48	24.30	24.10		2
3				24.57	24.13	24.16	24.43	24.36	24.49	24.27	24.11		3
4				24.57	24.13	24.17	24.42	24.34	24.50	24.25	24.13		4
5				24.54	24.11	24.18	24.42	24.34	24.50	24.24	24.15		5
6				24.53	24.10	24.18	24.43	24.33	24.52	24.24	24.16		6
7				24.53	24.08	24.18	24.44	24.33	24.54	24.23	24.16		7
8				24.52	24.07	24.19	24.45	24.32	24.55	24.21	24.10		8
9				24.52	24.07	24.22	24.45	24.32	24.55	24.18	24.06		9
10				24.50	24.07	24.24	24.44	24.31	24.57	24.15	24.05		10
11				24.49	24.08	24.25	24.44	24.27	24.60	24.12	24.03		11
12				24.49	24.08	24.26	24.45	24.25	24.61	24.08	24.03		12
13				24.47	24.09	24.29	24.45	24.26	24.63	24.07	24.03		13
14				24.45	24.09	24.34	24.44	24.27	24.65	24.05	24.01		14
15				24.45	24.09	24.36	24.44	24.29	24.67	24.02	23.99		15
16				24.44	24.09	24.36	24.43	24.30	24.68	24.02	23.97		16
17				24.44	24.09	24.37	24.43	24.31	24.69	24.01	23.95	23.88	17
18				24.43	24.08	24.38	24.43	24.32	24.71	24.01	23.94	23.83	18
19				24.43	24.08	24.39	24.43	24.34	24.71	24.01	23.96	23.81	19
20				24.42	24.08	24.39	24.44	24.34	24.73	24.01	23.96	23.38	20
21				24.42	24.09	24.39	24.45	24.35	24.75	24.02	23.94	23.31	21
22				24.33	24.10	24.40	24.42	24.36	24.77	24.04	23.96	23.24	22
23				24.23	24.11	24.41	24.42	24.37	24.78	24.05	23.95	23.17	23
24				24.22	24.14	24.43	24.43	24.38	24.78	24.04	23.94	23.06	24
25				24.22	24.13	24.44	24.43	24.40	24.67	24.04	23.93	22.96	25
26				24.21	24.12	24.44	24.41	24.41	24.52	24.04	23.93	22.90	26
27				24.20	24.12	24.45	24.39	24.41	24.43	24.04	23.95	22.84	27
28				24.22	24.11	24.45	24.40	24.42	24.40	24.05	23.97	22.80	28
29				24.22	24.12	24.45	24.39	24.44	24.39	24.06		22.74	29
30				24.21	24.14	24.46	24.39	24.45	24.37	24.07		22.70	30
31					24.14		24.38	24.46		24.08		22.67	31
						-MONTHLY SUMMARY-							
MEAN					24.11	24.32	24.43	24.35	24.54	24.11			MEAN
INST MAX					24.06 (10)	24.13 (1)	24.38 (31)	24.25 (12)	24.37 (30)	24.00 (18)			INST MAX
INST MIN					24.20 (1)	24.46 (30)	24.47 (1)	24.47 (31)	24.78 (25)	24.37 (1)			INST MIN

ENVIRONMENT ONTARIO
TORONTO
SIMCOE COUNTY

OBSERVATION WELL 529

CITY OF BARRIE CONC. - LOT -

WELL REC #: 5715034
UTM CO-ORD: Z- 17E605145 N 4912050
LAT & LONG: 44-22NORTH 79-41WEST

REC METHOD: A71 RECORDER
REC COMPLD: APR 07 1976
MEASURE PT: 0.0 FEET ABOVE GROUND SURFACE
GND ELEV: 865 FEET ABOVE SEA LEVEL
WELL TYPE: OCHED
WELL LOG: SAND 24.

DIAMETER OF WELL: 30 INCHES
LENGTH OF CASING: N.A.
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 24 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : SAND
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1		17.33	17.50	16.22	16.54	16.71		16.96	16.89		16.64	16.57	1
2		17.35	17.49	16.20	16.54	16.71		16.97	16.89		16.65	16.56	2
3	17.19	17.36	17.49	16.18	16.56	16.71		16.98	16.90		16.66	16.56	3
4	17.19	17.37	17.49	16.18	16.59	16.72		16.99	16.92		16.67	16.55	4
5	17.19	17.37	17.49	16.16	16.57	16.72		17.01	16.92		16.69	16.55	5
6	17.19	17.37	17.48	16.16	16.58	16.72		17.01	16.93		16.69	16.54	6
7	17.20	17.38	17.47	16.16	16.58	16.72		17.01	16.95		16.69	16.53	7
8	17.20	17.42	17.47	16.16	16.59	16.73		17.01	16.96		16.69	16.53	8
9	17.20	17.42	17.45	16.17	16.60	16.74		17.01	16.96		16.69	16.52	9
10	17.20	17.42	17.35	16.17	16.63	16.76		17.01	16.97		16.70	16.52	10
11	17.20	17.43	17.17	16.17	16.66	16.77		17.00	16.99		16.70	16.51	11
12	17.20	17.44	16.99	16.17	16.66	16.77		17.01	16.99		16.70	16.51	12
13	17.20	17.45	16.85	16.17	16.67	16.78		17.01	17.00		16.69		13
14	17.21	17.44	16.66	16.18	16.69	16.80		17.01	17.00		16.69		14
15	17.21	17.45	16.52	16.19	16.50	16.81	16.94	17.01	17.01		16.68		15
16	17.21	17.44	16.42	16.20	16.51	16.82	16.95	17.01	17.02		16.67		16
17	17.21	17.44	16.36	16.21	16.54	16.83	16.94	17.00	17.02		16.66		17
18	17.21	17.44	16.30	16.24	16.56	16.83	16.92	16.94	17.03		16.66		18
19	17.24	17.44	16.28	16.27	16.57	16.84	16.91	16.88	17.04		16.65		19
20	17.28	17.44	16.25	16.26	16.58	16.85	16.90	16.85	17.04		16.65		20
21	17.29	17.44	16.24	16.26	16.59		16.89	16.84	17.05		16.64		21
22	17.29	17.45	16.22	16.26	16.60		16.90	16.81	17.04		16.64		22
23	17.30	17.46	16.22	16.26	16.62		16.92	16.80	17.00		16.63		23
24	17.30	17.46	16.22	16.26	16.64		16.94	16.80	16.97		16.61		24
25	17.30	17.47	16.22	16.26	16.65		16.92	16.80	16.93		16.60		25
26	17.30	17.48	16.22	16.27	16.65		16.92	16.80	16.89		16.59		26
27	17.30	17.49	16.22	16.28	16.67		16.94	16.80	16.87	16.61	16.59		27
28	17.31	17.49	16.22	16.29	16.67		16.95	16.82		16.61	16.59		28
29	17.32		16.22	16.31	16.68		16.95	16.84		16.62	16.58		29
30	17.32		16.21	16.32	16.70		16.95	16.85		16.62	16.58		30
31	17.32		16.22		16.71		16.96	16.87		16.64			31
					-MONTHLY SUMMARY-								
MEAN		17.43	16.74	16.22	16.52			16.93			16.65		MEAN
INST MAX		17.32 (1)	16.21 (30)	16.16 (8)	16.33 (1)			16.80 (27)			16.58 (30)		INST MAX
INST MIN		17.50 (28)	17.50 (1)	16.33 (30)	16.71 (31)			17.01 (6)			16.70 (11)		INST MIN

ENVIRONMENT ONTARIO
TORONTO
SIMCOE COUNTY

OBSERVATION WELL 007

TOWNSHIP OF ESSA CONC. 3 LOT 30

WELL REC #: 5708713
UTM CO-ORD: Z-17 E589850 N4907950
LAT & LONG: 44-19NORTH 79-52WEST

REC METHOD: A35 RECORDER
REC COMPLD: JUN 6 1950
MEASURE PT: 1.5 FEET ABOVE GROUND SURFACE
GND ELEV: 826 FEET ABOVE SEA LEVEL
WELL TYPE: DUG
WELL LOG: OVERBURDEN 20.

DIAMETER OF WELL: 36 INCHES
LENGTH OF CASING: 20 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 20 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : OVERBURDEN
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	11.41	11.94	12.20	10.11	9.91	10.57	11.21	11.75	12.00	11.92	11.40		1
2		11.95	12.20	10.08	9.93	10.60	11.23	11.77	12.01	11.89	11.39		2
3		11.97	12.20	10.05	9.96	10.63	11.25	11.79	12.02	11.82	11.38		3
4		11.98	12.20	10.02	9.98	10.65	11.27	11.81	12.02	11.76	11.37		4
5		11.99	12.20	9.97	9.99	10.66	11.29	11.83	12.03	11.71	11.37		5
6		12.01	12.18	9.95	10.01	10.68	11.31	11.85	12.04	11.66	11.36		6
7		12.03	12.14	9.93	10.05	10.70	11.31	11.86	12.05	11.62	11.34		7
8		12.04	12.08	9.91	10.06	10.73	11.27	11.88	12.06	11.59	11.34		8
9		12.05	12.04	9.88	10.09	10.75	11.26	11.90	12.07	11.55			9
10		12.06	11.95	9.86	10.11	10.77	11.27	11.91	12.08	11.50			10
11		12.06	11.78	9.84	10.14	10.79	11.28	11.93	12.10	11.45			11
12		12.07	11.57	9.82	10.16	10.81	11.29	11.94	12.11	11.40			12
13		12.05	11.37	9.81	10.18	10.84	11.31	11.96	12.12	11.37			13
14		12.07	11.20	9.80	10.21	10.86	11.34	11.97	12.13	11.35			14
15		12.09	11.04	9.79	10.23	10.89	11.36	11.99	12.15	11.33			15
16		12.10	10.91	9.77	10.25	10.91	11.39	12.00	12.15	11.31			16
17		12.11	10.80	9.77	10.27	10.93	11.41	11.95	12.16	11.29			17
18		12.12	10.71	9.76	10.30	10.95	11.43	11.83	12.16	11.26			18
19		12.14	10.63	9.77	10.31	10.98	11.46	11.78	12.17	11.25			19
20		12.15	10.56	9.76	10.34	11.00	11.49	11.77	12.17	11.24			20
21		12.16	10.51	9.76	10.36	11.01	11.52	11.77	12.18	11.23			21
22		12.17	10.45	9.77	10.37	11.03	11.55	11.78	12.17	11.22			22
23		12.18	10.41	9.77	10.40	11.06	11.57	11.80	12.17	11.22			23
24		12.19	10.37	9.77	10.42	11.08	11.60	11.82	12.16	11.22			24
25		12.19	10.34	9.77	10.44	11.10	11.62	11.84	12.16	11.22			25
26		12.19	10.31	9.79	10.46	11.12	11.64	11.87	12.12	11.36			26
27	11.88	12.19	10.28	9.80	10.47	11.15	11.66	11.89	12.07	11.49			27
28	11.89	12.19	10.24	9.82	10.49	11.17	11.68	11.92	12.01	11.47			28
29	11.91		10.20	9.86	10.52	11.19	11.70	11.94	11.97	11.45			29
30	11.92		10.17	9.88	10.54	11.20	11.72	11.96	11.94	11.43			30
31	11.93		10.14		10.56		11.73	11.98		11.42			31
					-MONTHLY SUMMARY-								
MEAN		12.09	11.14	9.85	10.24	10.89	11.43	11.87	12.09	11.45			MEAN
INST MAX		11.93 (1)	10.12 (31)	9.76 (18)	9.89 (1)	10.57 (1)	11.20 (1)	11.74 (1)	11.93 (30)	11.21 (26)			INST MAX
INST MIN		12.20 (26)	12.20 (2)	10.16 (1)	10.57 (31)	11.20 (30)	11.74 (31)	12.01 (16)	12.16 (22)	11.93 (1)			INST MIN

ENVIRONMENT ONTARIO
TORONTO
SIMCOE COUNTY

OBSERVATION WELL 373

VILLAGE OF WASAGA BEACH — CONC. * — LOT *

WELL REC #: 5709214
UTM CO-ORD: Z=17 E578250 N4931025
LAT & LONG: 44=32NORTH 80=01WEST

REC METHOD: A35 RECORDER
REC COMMCD: OCT 31 1972
MEASURE PT: 4.0 FEET ABOVE GROUND SURFACE
GND ELEV: 590 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: FINE SAND 22; SAND AND GRAVEL 30; GREY CLAY 87; FINE SAND 93; CLAY 96; FINE SAND 101; MEDIUM SAND 119; SAND WITH STREAKS OF CLAY 130; CLAY AND SILT 168; FINE SAND 170; MEDIUM SAND 180; SAND AND GRAVEL 194; GREY CLAY 200.

DIAMETER OF WELL: 6 INCHES
LENGTH OF CASING: 170 FEET
LENGTH OF SCREEN: 24 FEET
DEPTH OF WELL: 194 FEET

PUMP RATE: 450 IGPM
SPEC. CAP: 70.4 IGPM/FT
AQUIFER : SAND
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.49			5.20	5.19	5.46	5.41	5.92	5.43	5.46	5.65	5.27	1
2	5.50			5.21	5.14	5.43	5.54	5.95	5.47	5.31	5.57	4.98	2
3	5.63			4.98	5.27	5.49	5.77	5.94	5.52	5.21	5.59	5.08	3
4	5.56			5.35	5.30	5.52	5.64	5.87	5.62	5.23	5.50	5.24	4
5	5.64			4.94	5.23	5.52	5.63	5.83	5.54	5.23	5.68	5.53	5
6	5.62			4.89	5.13	5.48	5.62	5.76	5.54	5.16	5.63	5.31	6
7	5.48			4.96	5.24	5.36	5.54	5.83	5.63	5.41	5.66	5.22	7
8	5.64			4.96	5.12	5.41	5.50	5.70	5.59	5.69	5.62	5.53	8
9	5.67			5.09	5.25	5.48	5.57	5.72	5.42	5.22	5.63	5.32	9
10	5.70			5.19	5.24	5.52	5.75	5.72	5.10	5.27	5.41	5.37	10
11	5.49			5.12	5.29	5.60	5.69	5.61	5.42	5.32	5.19	5.42	11
12	5.62			5.12	5.27	5.62	5.61	5.59	5.47	5.11	5.41	5.35	12
13	5.65			5.07	5.31	5.64	5.56	5.58	5.43	5.34	5.51	5.38	13
14	5.65			5.13	5.43	5.62	5.71	5.61	5.29	5.35	5.44	5.32	14
15	5.54			5.18	5.52	5.64	5.68	5.63	5.56	5.26	5.42	5.33	15
16	5.52			5.17	5.51	5.69	5.72	5.69	5.59	5.31	5.33	5.52	16
17	5.54			5.20	5.44	5.57	5.88	5.35	5.46	5.31	5.23	5.81	17
18	5.59			5.24	5.43	5.57	5.83	5.35	5.41	5.40	5.15	5.85	18
19	5.58			5.21	5.45	5.55	5.80	5.49	5.59	5.40	5.33	5.61	19
20	5.61			5.24	5.50	5.52	5.74	5.51	5.57	5.39	5.71	5.69	20
21	5.63			5.21	5.66	5.46	5.74	5.53	5.48	5.37	5.13	5.49	21
22	5.71			5.11	5.86	5.50	5.90	5.34	5.49	5.40	5.25	5.29	22
23				5.18	5.88	5.59	5.96	5.35	5.55	5.67	5.47	5.21	23
24				5.12	5.68	5.54	6.04	5.44	5.72	5.62	5.18	5.35	24
25				5.09	5.59	5.49	5.89	5.55	5.64	5.53	5.35	5.01	25
26				5.09	5.58	5.57	5.88	5.61	5.35	5.39	5.09	5.06	26
27				5.05	5.54	5.59	6.02	5.57	5.19	5.41	5.42	5.19	27
28				5.08	5.58	5.57	6.08	5.55	5.22	5.50	5.44	5.23	28
29				5.15	5.76	5.27	6.00	5.47	5.30	5.57	5.39	5.19	29
30			5.15	5.17	5.68	5.49	5.97	5.53	5.28	5.62	5.44	5.33	30
31			5.09		5.61		6.11	5.55		5.77		5.43	31
MEAN				5.12	5.44	5.52	5.77	5.62	5.46	5.39	5.43	5.35	MEAN
INST MAX				4.36 (7)	4.81 (8)	5.05 (29)	5.01 (6)	4.98 (18)	4.91 (10)	4.96 (6)	4.88 (21)	4.58 (25)	INST MAX
INST MIN				5.53 (4)	6.03 (22)	5.82 (16)	6.22 (28)	6.12 (1)	5.89 (24)	5.91 (8)	6.11 (20)	5.99 (17)	INST MIN

ENVIRONMENT ONTARIO
TORONTO
VICTORIA COUNTY

OBSERVATION WELL 375

TOWNSHIP OF MARIPOSA — CONC. 15 — LOT 6

WELL REC #: 6403790
UTM CO-ORD: Z=17 E660200 N4917700
LAT & LONG: 44=24NORTH 78=59WEST

REC METHOD: "F" TYPE RECORDER
REC COMMCD: NOV 9 1972
MEASURE PT: 3.05 FEET ABOVE GROUND SURFACE
GND ELEV: 927 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: PACKED BROWN CLAY AND STONES 8; LOOSE BROWN GRAVEL 18; LIMESTONE 38.

DIAMETER OF WELL: 8 INCHES
LENGTH OF CASING: 18 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 38 FEET

PUMP RATE: 40 IGPM
SPEC. CAP: 5.71 IGPM/FT
AQUIFER : LIMESTONE
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	9.53	10.06	10.12			9.97	10.20	10.75	10.33	9.88	9.68	8.40	1
2	9.57	10.02	10.11			9.67	10.35	11.14	10.49	9.91	9.72	8.28	2
3	9.50	9.99		7.12		9.97	10.29	10.63	10.05	9.61	9.73	8.34	3
4	9.42	10.05	10.20			9.83	10.08	10.99	10.15	9.67	9.66	8.34	4
5	9.34	10.22	9.88			9.84	10.64	10.76	10.45	9.91	9.89	8.32	5
6	9.58	10.18	9.81				10.31	10.98	10.08	9.56	9.65	8.36	6
7	9.31	10.04	9.83		8.73		10.07	10.55	10.42	9.97	9.95	8.30	7
8	9.56	10.19	9.78		8.93		10.47	10.97	10.34	9.66	9.61	8.45	8
9	9.48	10.14	9.46		8.76		10.29		10.30	9.40	9.50	8.28	9
10	9.45	10.22	8.87		9.06	10.00	10.17		10.52	9.53	9.47	8.46	10
11	9.53	10.21	8.39		9.09	9.94	10.58		10.29	9.47	9.22		11
12	9.45	10.20	8.08		9.03	10.16	10.17	10.69	10.55	9.21	9.06		12
13	9.69	10.08	7.36		9.18	9.94	10.35	10.88	10.56	9.49	9.30		13
14	9.49	10.15	7.10		9.03	10.29	10.29	11.03	10.34	9.30	9.07		14
15	9.72	10.24	7.05		9.34	10.40	10.54	10.66	10.61		9.21		15
16	9.55	10.21	6.99		9.45	10.29	10.19	10.97	10.23		8.97		16
17	9.70	10.24	7.05		9.26	10.28	10.76	10.61	10.61		9.00		17
18	9.77	10.21	7.21		9.56	10.14	10.43	10.49	10.49		8.87		18
19	9.73	10.23	7.15		9.18	10.19	10.64	10.78	10.32		8.77		19
20	9.60	10.22	7.14		9.45	9.95	10.84	10.38	10.72	9.51	8.82		20
21	9.67	10.25	7.30		9.33	10.30	10.80	10.70	10.29	9.45	8.83		21
22	9.70	10.22	7.26		9.52	10.19	10.60	10.58	10.59	9.53	8.80		22
23	9.86	10.22	7.32		9.63	10.25	10.91	10.28	10.44	9.51	8.68		23
24	9.90	10.23			9.51	10.31	10.71	10.68	10.30	9.61	8.72		24
25	9.72	10.14			9.73	10.33	10.88	10.50	10.59	9.60	8.57		25
26	9.92	10.14			9.56	10.21	10.99	10.61	10.07	9.56	8.69		26
27	9.84	10.16			9.87	10.31	11.02	10.46	10.38	9.64	8.58		27
28	9.82	10.10	7.40		9.87	10.59	11.38	10.34	10.22	9.65	8.68		28
29	9.95				9.91	10.07	10.85	10.62	10.00	9.62	8.64		29
30	9.90				9.92	10.40	11.17	10.66	10.49	9.72	8.73		30
31	9.87				9.96		10.84	10.61		9.70			31
MEAN	9.65	10.16					10.57		10.37		9.14		MEAN
INST MAX	9.22 (1)	9.79 (1)					10.02 (4)		9.94 (29)		8.39 (26)		INST MAX
INST MIN	10.55 (24)	10.65 (21)					11.48 (29)		10.96 (15)		10.14 (5)		INST MIN

ENVIRONMENT ONTARIO
TORONTO
REGIONAL MUNICIPALITY OF YORK

OBSERVATION WELL 344

TOWNSHIP OF E. GWILLIMBURY — 1E — LOT 12

WELL REC #: 6910968
UTM CO-ORD: Z-17 E621475 N4869850
LAT & LONG: 44-09NORTH 79-29WEST

REC METHOD: A35 RECORDER
REC COMMCD: MAY 26 1971
MEASURE PT: 0.0 FEET ABOVE GROUND SURFACE
GND ELEV: 723 FEET ABOVE SEA LEVEL
WELL TYPE: DUG
WELL LOG: OVERBURDEN (SAND) 11.

DIAMETER OF WELL: 36 INCHES
LENGTH OF CASING: 11 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 11 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : SAND
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.29	2.54	4.88		2.89	5.84	8.42	7.93		0.46	1.84	0.20	1
2	4.38	2.39	4.88		2.94	5.85	8.47	7.51		0.19	1.88	0.20	2
3	4.46	2.31	4.97		3.11	5.88	8.53	7.11		0.23	1.91	0.24	3
4	4.53				3.24	5.91	8.59	6.90		0.35	1.91	0.26	4
5	4.59				3.31	5.95	8.64	6.74		0.48	1.95	0.35	5
6	4.58				3.40	6.00	8.68	6.58		0.63	1.97	0.36	6
7	4.55				3.56	6.05	8.72	5.95		0.85	1.79	0.38	7
8	4.46				3.68	6.12	8.76	5.63		0.89	0.76	0.47	8
9	4.36				3.80	6.21	8.80	5.44		0.27	0.75	0.49	9
10	4.30				3.92	6.31	8.84	5.32		0.24	0.52		10
11	4.27	1.57			4.06	6.44	8.88	5.08		0.31	0.24		11
12		1.58			4.20	6.56	8.92	4.89		0.34	0.27		12
13		2.65			4.33	6.70	8.95	4.78		0.42	0.36		13
14		2.88			4.45	6.86	8.99	4.73		0.54	0.45		14
15		2.70			4.58	7.03	9.01	4.67		0.66	0.50		15
16	3.79	2.57			4.72	7.24	8.73			0.41	0.44		16
17	3.72	2.47			4.87	7.40	8.29			0.45	0.32		17
18	3.64	2.38			5.01	7.53	7.94			0.57	0.22		18
19	3.57	2.27			5.13	7.63	7.59			0.53	0.20		19
20	3.48	2.10		1.90	5.26	7.71	7.16			0.61	0.24		20
21	3.35	1.95		1.99	5.39	7.79	6.87			0.75	0.25		21
22	3.20	1.82		1.85	5.53	7.86	6.75			0.89	0.29		22
23	3.12	1.70		1.38	5.65	7.93	6.75			1.10	0.34		23
24	3.06	3.11		1.44	5.74	8.01	6.82			1.20	0.22		24
25	2.99	5.47		1.31	5.73	8.08	6.93			1.25	0.23		25
26	2.94	4.79		1.49	5.66	8.14	7.13			1.29	0.21		26
27	2.87	4.93		1.78	5.61	8.21	7.42			1.36	0.26		27
28	2.80	5.05		2.14	5.61	8.26	7.65			1.47	0.31		28
29	2.73			2.42	5.63	8.31	7.80			1.58	0.37		29
30	2.65			2.65	5.69	8.36	7.94		0.76	1.68	0.40		30
31	2.61				5.78		8.06			1.76			31
					-MONTHLY SUMMARY-								
MEAN					4.60	7.07	8.10			0.77	0.71		MEAN
INST MAX					2.80 (1)	5.83 (1)	6.74 (23)			0.19 (2)	0.19 (19)		INST MAX
INST MIN					5.83 (31)	8.39 (30)	9.02 (15)			1.81 (31)	1.96 (5)		INST MIN

ENVIRONMENT ONTARIO
TORONTO
REGIONAL MUNICIPALITY OF YORK

OBSERVATION WELL 342

TOWNSHIP OF KING — US 2 — LOT 19

WELL REC #: 6902665
UTM CO-ORD: Z-17 E616574 N4884788
LAT & LONG: 44-07NORTH 79-33WEST

REC METHOD: A35 RECORDER
REC COMMCD: MAY 26 1971
MEASURE PT: 0.0 FEET ABOVE GROUND SURFACE
GND ELEV: 722 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: CLAY 40; LIGHT SAND AND CLAY 205; HEAVY RED SAND 297; QUICKSAND AND GRAVEL 305.

DIAMETER OF WELL: 6 INCHES
LENGTH OF CASING: 299 FEET
LENGTH OF SCREEN: 3 FEET
DEPTH OF WELL: 305 FEET

PUMP RATE: 75 IGPM
SPEC. CAP: 0.68 IGPM/FT
AQUIFER : SAND
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	30.96	30.91	30.78	31.69	31.10	32.63	32.79	31.65					1
2	30.82	31.51	31.06	31.49	31.38	32.29	33.10	32.08					2
3	30.94	31.30	31.31	31.01	31.65	32.32	33.34	32.38					3
4	31.19	31.46	30.48	30.75	31.31	32.56	33.28	32.66					4
5	31.45	31.52	31.35	30.46	31.54	31.89	33.68	32.77					5
6	31.19	31.34	30.92	30.71	31.24	32.09	33.74	33.12					6
7	31.07	31.51	31.10	31.37	31.35	32.01	33.75						7
8	31.23	31.60	30.58	31.34	31.35	32.12	33.67	32.82					8
9	30.56	31.56	27.62	30.74	30.90	32.19	33.95	32.92					9
10	30.27	31.55	29.87	30.52	30.81	32.87	34.65						10
11	30.56	31.67	30.48	30.15	31.09	33.45	33.94						11
12	30.99	31.80	30.88	30.41	31.54	32.81	33.40						12
13	31.19	31.13	30.59	31.11	31.50	32.77	31.20						13
14	31.09	31.15	30.63	31.16	31.50	33.27	32.58						14
15	31.30	31.37	30.85	31.35	31.53	33.57	33.19						15
16	31.14	31.41	31.25	31.36	31.53	33.49	33.91						16
17	31.09	31.24	31.30	30.84	31.50	33.27	34.96						17
18	31.15	31.23	31.14	30.86	31.60	33.42	34.29						18
19	31.19	31.42	31.18	31.18	31.92	32.62	33.22						19
20	31.65	31.21	30.64	30.98	32.13	32.24	32.32						20
21	31.50	31.00	30.50	31.60	32.00	32.40	32.19						21
22	31.61	31.01	30.98	31.28	31.98	32.51	31.16						22
23	30.96	31.29	31.45	31.57	31.80	32.69	30.98						23
24	30.59	31.06	31.59	30.95	32.07	32.85	31.08						24
25	31.13	31.19	31.81	30.70	32.42	33.03	29.85						25
26	31.18	31.37	31.69	31.31	32.20	32.23	30.50						26
27	31.51	30.44	30.94	31.33	32.40	32.55	31.51						27
28	31.63	30.80	30.66	31.67	33.11	32.75	32.06						28
29	31.06		30.69	31.74	32.15	32.66	32.18						29
30	30.80		30.81	31.45	32.44	32.67	31.93						30
31	30.55		31.45		33.09		31.81						31
					-MONTHLY SUMMARY-								
MEAN	31.08	31.28	30.86	31.10	31.74	32.67	32.72						MEAN
INST MAX	28.45 (11)	29.12 (27)	17.50 (9)	28.75 (11)	29.50 (9)	30.09 (5)	28.19 (12)						INST MAX
INST MIN	32.45 (28)	32.45 (12)	32.39 (26)	32.39 (30)	33.93 (28)	34.52 (18)	35.26 (18)						INST MIN

ENVIRONMENT ONTARIO
TORONTO
REGIONAL MUNICIPALITY OF YORK

OBSERVATION WELL 345

TOWNSHIP OF KING CONC. 5 LOT 9

WELL REC #: 6910967
UTM CO-ORD: Z-17 E615075 N4880425
LAT & LONG: 44-04NORTH 79-34WEST

WELL METHOD: 435 RECORDER
WELL COMPLD: MAY 26 1971
MEASURE PT: 2.5 FEET ABOVE GROUND SURFACE
GND ELEV: 720 FEET ABOVE SEA LEVEL
WELL TYPE: DUG
WELL LOG: PEAT (MUCK) 11.5.

DIAMETER OF WELL: 36 INCHES
LENGTH OF CASING: 11.5 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 11.5 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : PEAT
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1		5.46	4.77	3.45	3.81	4.68	4.88	4.43	5.48				1
2		5.47	4.68	3.47	3.83	4.67	4.84	4.44	5.52				2
3		5.48	4.61	3.48	3.86	4.67	4.82	4.44	5.56				3
4		5.49	4.52	3.50	3.89	4.67	4.80	4.45	5.59				4
5		5.52	3.91	3.49	3.91	4.66	4.80	4.45	5.62				5
6	4.89	5.55	2.35	3.47	3.93	4.65	4.80	4.37	3.66				6
7	4.91	5.59	2.62	3.48	3.96	4.64	4.74	4.24	3.70				7
8	4.93	5.62	2.90	3.51	4.00	4.64	4.66	4.13	3.73				8
9	4.95	5.64	2.73	3.55	4.04	4.64	4.58	4.04	3.77				9
10	4.97	5.65	2.10	3.58	4.09	4.64	4.52	3.98	3.79				10
11	5.00	5.65	2.25	3.60	4.12	4.67	4.47	3.92	3.82				11
12	5.03	5.62	2.64	3.64	4.16	4.70	4.44	3.89	3.85				12
13	5.07	5.62	2.64	3.67	4.20	4.74	4.36	3.86	3.89				13
14	5.09	5.60	2.89	3.68	4.23	4.77	4.27	3.86	3.90				14
15	5.10	5.59	3.05	3.71	4.27	4.80	4.22	3.87	3.90				15
16	5.13	5.58	3.16	3.72	4.31	4.84	4.17	3.86	3.90				16
17	5.16	5.59	3.26	3.74	4.34	4.87	4.13	2.40	3.87				17
18	5.18	5.59	3.34	3.77	4.37	4.89	4.11	2.32	3.80				18
19	5.21	5.61	3.41	3.79	4.41	4.90	4.08	2.57	3.74				19
20	5.22	5.63	3.46	3.80	4.45	4.91	4.06	2.78	3.70				20
21	5.23	5.65	3.51	3.81	4.47	4.92	4.05	2.92	3.63				21
22	5.25	5.66	3.53	3.82	4.48	4.94	4.06	2.96	3.53				22
23	5.27	5.69	3.54	3.82	4.50	4.95	4.09	2.99	3.47				23
24	5.29	5.69	3.54	3.79	4.53	4.98	4.13	3.04	3.44				24
25	5.31	5.58	3.54	3.77	4.55	5.00	4.16	3.06					25
26	5.33	5.34	3.54	3.75	4.57	5.01	4.19	3.10					26
27	5.35	5.11	3.52	3.73	4.59	5.00	4.24	3.17					27
28	5.37	4.91	3.50	3.74	4.61	5.00	4.29	3.24					28
29	5.39		3.47	3.76	4.62	4.98	4.34	3.30					29
30	5.41		3.45	3.78	4.65	4.93	4.38	3.37					30
31	5.43		3.45		4.68		4.42	3.43					31
					-MONTHLY SUMMARY-								
MEAN		5.54	3.35	3.66	4.27	4.81	4.39	3.58					MEAN
INST MAX		4.83 (28)	2.02 (10)	3.44 (1)	3.80 (1)	4.63 (9)	4.05 (21)	2.14 (17)					INST MAX
INST MIN		5.70 (23)	4.83 (1)	3.82 (22)	4.68 (31)	5.01 (28)	4.90 (1)	4.46 (4)					INST MIN

ENVIRONMENT ONTARIO
TORONTO
REGIONAL MUNICIPALITY OF YORK

OBSERVATION WELL 106

TOWNSHIP OF MARKHAM CONC. 5 LOT 6

WELL REC #: 6911674
UTM CO-ORD: Z-17 E632292 N4854345
LAT & LONG: 43-50NORTH 79-21WEST

REC METHOD: 'F' TYPE RECORDER
REC COMPLD: SEP 15 1963
MEASURE PT: 1.0 FEET ABOVE GROUND SURFACE
GND ELEV: 605 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: SANDY CLAY, GRAVEL 40; DIRTY SILT 50; DIRTY SAND AND GRAVEL 60; SAND AND GRAVEL 70; SAND, GRAVEL AND BOULDERS 85; FINE SAND 99; HARD PACKED SAND, GRAVEL 104.

DIAMETER OF WELL: 8 INCHES
LENGTH OF CASING: 86.5 FEET
LENGTH OF SCREEN: 17.5 FEET
DEPTH OF WELL: 104 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : SAND AND GRAVEL
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1		58.18	57.51	56.48	56.67	55.74	55.63	54.65	54.13	53.54	52.82	51.91	1
2		58.21	57.53	56.30	56.59	55.76	55.60	54.65	54.11	53.52	52.81	51.98	2
3		58.05	57.46	56.40	56.56	55.80	55.51	54.63	54.09	53.50	52.80	51.97	3
4		58.06	57.34	56.23	56.46	55.77	55.44	54.61	54.05	53.46	52.82	51.98	4
5		58.06	57.35	56.11	56.36	55.70	55.38	54.58	54.01	53.41	52.81	51.91	5
6		58.10	57.35	56.50	56.33	55.66	55.33	54.57	54.03	53.39	52.75	51.83	6
7	58.83	58.10	57.32	57.00	56.34	55.64	55.31	54.53	54.03	53.39	52.67	51.87	7
8	58.84	58.05	57.28	57.29		55.64	55.29		54.00	53.26	52.66		8
9	58.81	57.98	57.22	57.43		55.67	55.28		53.93	53.21	52.65		9
10	58.81	57.98	57.23	57.52	56.17	55.71	55.25		53.93	53.23	52.57		10
11	58.70	57.93	57.22	57.63	56.16		55.19		53.97	53.16	52.54		11
12	58.72	57.88	57.11	58.02	56.10		55.15		53.93	53.17	52.60		12
13	58.70	57.78	57.03	58.31	56.09		55.14		53.87	53.20	52.60		13
14	58.61	57.83	57.04	59.13	56.07		55.14		53.92	53.11	52.50		14
15	58.58	57.86	56.96	59.63	56.08	55.56	55.09		53.97	53.04	52.41		15
16	58.57	57.84	56.95	59.37	56.06	55.83	55.07		53.87	53.02	52.38		16
17	58.50	57.79	56.93	59.33	56.02	55.88	55.02		53.82	52.99	52.35		17
18	58.49	57.76	56.80	59.39	55.99	55.84	54.97		53.78	52.97	52.35		18
19	58.45	57.73	56.90	59.45	55.99	55.78	54.94	54.35	53.76	52.98	52.43		19
20	58.45	57.70	56.81	59.51	55.99	55.82	54.89	54.31		53.00	52.38		20
21	58.44	57.69	56.82	59.43	55.97	55.96	54.87	54.27		52.97	52.28		21
22	58.46	57.63	56.75	59.01	55.96	56.02	54.88	54.24		52.97	52.32	51.13	22
23	58.42	57.70	56.73	58.27	55.95	56.09	54.83	54.25	53.91	53.03	52.23	51.10	23
24	58.34	57.54	56.71	57.79	55.92	56.04	54.77	54.26	53.83		52.18	51.04	24
25	58.28	57.54	56.68	57.49	55.89	55.97	54.73	54.27	53.77		52.14	50.95	25
26	58.21	57.60	56.65	57.26	55.87	55.90	54.81	54.25	53.71		52.10	50.96	26
27	58.22	57.50	56.57	57.04	55.83	55.91	54.80	54.19	53.68		52.18	50.94	27
28	58.18	57.54	56.50	56.95	55.79	55.97	54.75	54.18	53.66	52.91	52.18	50.88	28
29	58.23		56.60	56.87	55.84	55.94	54.70	54.17	53.63	52.91	52.20	50.83	29
30	58.20		56.52	56.77	55.82	55.87	54.69	54.16	53.61	52.89	52.08	50.80	30
31	58.16		56.47		55.77		54.67	54.15		52.84		50.79	31
					-MONTHLY SUMMARY-								
MEAN		57.84	56.98	57.80			55.07				52.46		MEAN
INST MAX		57.44 (27)	56.44 (30)	56.07 (5)			54.66 (31)				51.97 (30)		INST MAX
INST MIN		58.24 (2)	57.54 (1)	59.81 (15)			55.71 (1)				52.85 (5)		INST MIN

ENVIRONMENT ONTARIO
TORONTO
REGIONAL MUNCIPALITY OF YORK

OBSERVATION WELL 305

TOWNSHIP OF MARKHAM — CONC. 9 — LOT 26

WELL REC #: 6910969
UTM CO-ORD: Z-17 E642160 N4866300
LAT & LONG: 43-56NORTH 79-18WEST

REC METHOD: 1PI TYPE RECORDER
REC COMMCD: JUNE 1970
MEASURE PT: 0.5 FEET ABOVE GROUND SURFACE
GND ELEV: 778 FEET ABOVE SEA LEVEL
WELL TYPE: DUG
WELL LOG: OVERBURDEN TILL 20.

DIAMETER OF WELL: 48 INCHES
LENGTH OF CASING: 20 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 20 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : TILL
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1			3,67		2,64	4,39	4,68	4,70	4,53	2,70	3,75	2,36	1
2			3,61		2,70	4,38	4,70	4,72	3,69	2,29	3,77	2,21	2
3			3,55		2,82	4,38	4,72	4,73	2,56	2,37	3,79	2,43	3
4		5,57	3,39		2,93		4,74	4,72	2,66	2,75	3,81	2,57	4
5		5,54	2,69		3,01		4,75	4,67	2,65	2,86	3,86	2,67	5
6		5,52	2,27	1,93	3,09		4,76	4,61	3,06	2,91	3,89	2,72	6
7		5,50	2,20	2,15	3,28	4,45	4,68	4,60	3,22	2,96	3,78	2,76	7
8		5,48	2,23	2,25	3,43	4,47	4,62		3,36	2,98	2,66	2,76	8
9		5,46	1,99	2,34	3,52	4,49	4,61		3,47	2,78	2,73	2,72	9
10		5,43	1,88	2,33	3,61	4,51	4,62		3,58	2,67	2,67	2,73	10
11		5,40	1,90	2,34	3,70	4,54	4,65		3,71	2,75	2,54		11
12		5,35	1,84	2,36	3,80	4,57	4,66		3,69	2,86	2,70		12
13		5,25	1,85	2,36	3,85	4,59	4,67		3,99	2,90	2,77		13
14		5,16	1,88	2,42	3,94	4,60	4,70		3,84	2,96	2,81		14
15		5,11	1,68	2,50	4,06	4,62	4,52		3,67	2,98	2,84		15
16		5,07	1,78	2,57	4,13	4,64	3,91		3,74	3,02	2,80		16
17		5,04	1,94	2,65	4,17	4,65	3,69		3,56	3,02	2,88		17
18		4,99	2,04	2,69	4,19	4,63	3,70		3,24	3,07	2,54		18
19		4,95	2,13	2,76	4,08	4,60	3,84	4,22	3,09	3,12	2,59		19
20		4,93	2,15	2,83	4,07	4,61	4,01	4,28	3,00	3,14	2,67		20
21		4,92	2,17	2,89	4,14	4,62	4,19	4,36	2,56	3,14	2,68		21
22		4,91	2,07	2,73	4,21	4,64	4,35	4,36	2,53	3,21	2,74	2,37	22
23		4,90	2,08	2,31	4,25	4,67	4,45	4,38	2,66	3,27	2,77	2,39	23
24		4,80	2,04	1,99	4,27	4,70	4,51	4,38	2,77	3,30	2,83	2,39	24
25		4,39	2,22	2,02	4,10	4,70	4,56	4,29	2,34	3,33	2,54	2,12	25
26		4,13	2,31	2,11	4,05	4,69	4,61	4,32	2,31	3,37	2,43	2,25	26
27		3,93	2,23	2,21	4,12	4,71	4,65	4,37	2,36	3,41	2,54	2,43	27
28		3,78	2,04	2,31	4,21	4,73	4,67	4,42	2,56	3,46	2,64	2,57	28
29			1,82	2,45	4,30	4,71	4,68	4,45	2,67	3,52	2,75	2,66	29
30			1,83	2,54	4,35	4,68	4,69	4,49	2,73	3,57	2,80	2,73	30
31			1,88		4,39		4,70	4,51		3,64		2,77	31
						-MONTHLY SUMMARY-							
MEAN			2,20		3,79		4,49		3,14	3,00	2,93		MEAN
INST MAX			0,73 (13)		2,61 (1)		3,60 (18)		2,12 (25)	2,12 (2)	2,40 (26)		INST MAX
INST MIN			3,70 (1)		4,39 (31)		4,77 (6)		4,58 (1)	3,91 (31)	3,93 (7)		INST MIN

ENVIRONMENT ONTARIO
TORONTO
REGIONAL MUNICIPALITY OF YORK

OBSERVATION WELL 398

TOWNSHIP OF MARKHAM — CONC. 5 — LOT 14

WELL REC #: 6911700
UTM CO-ORD: Z-17 E635300 N4858600
LAT & LONG: 43-52NORTH 79-19WEST

REC METHOD: 1PI TYPE RECORDER
REC COMMCD: SEP 30 1973
MEASURE PT: 2,6 FEET ABOVE GROUND SURFACE
GND ELEV: 618 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: BROWN TOPSOIL 1; BROWN SAND 15; BLUE SANDY CLAY 47; BLUECLAY, SAND AND GRAVEL 67; GREY SAND AND GRAVEL 73.

DIAMETER OF WELL: 5 INCHES
LENGTH OF CASING: 69 FEET
LENGTH OF SCREEN: 4 FEET
DEPTH OF WELL: 73 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : SAND AND GRAVEL
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	19,06	18,73	18,23			26,39		17,92	18,04		17,70	16,43	1
2	19,11	18,77	18,35			26,44		18,00	17,66		17,75		2
3	19,07	18,60	18,33			26,54		17,99	17,45		17,75	16,56	3
4	19,02	18,63	18,16		22,06	26,53		17,99	17,56		17,77	16,62	4
5	19,05	18,61	17,41		21,66			17,96	17,64		17,82	16,96	5
6	19,03	18,71	17,57	18,94	21,62			17,83	17,78		17,77	17,24	6
7	19,02	18,71	17,80	19,07	21,73				17,80		17,62	17,53	7
8	19,11	18,61	17,79	19,17	21,74		18,04	17,80	17,86		16,66	17,66	8
9	19,14	18,55	17,36	19,23	21,76		18,13		17,86		16,81	17,55	9
10	18,97	18,55	16,87	19,24			18,23		17,87		16,90	17,81	10
11	19,13	18,48	17,23	19,47			18,22		17,96		16,51		11
12	19,14	18,60	17,48	20,25			18,17		17,99		16,90		12
13	19,11	18,45	16,70	20,27			18,22		17,94		17,10		13
14	18,98	18,48	17,14	20,33			18,29		17,80				14
15	18,90	18,56	17,60	19,61	25,56		18,22		17,88				15
16	18,89	18,65	17,96	20,13	25,40		17,77		17,84				16
17	18,81	18,53	19,35	20,47			17,90		17,67				17
18	18,79	18,54	19,50	20,71			18,04		17,66				18
19	18,76	18,65	19,46	20,65			18,10	17,88	17,70		16,82		19
20	18,80	18,74	19,32	20,61			18,04	17,93		17,48	16,84		20
21	18,79	18,73	19,00	20,61			17,84	17,94		17,51	16,75		21
22	18,85	18,72	19,70	20,45			17,88	17,85	17,85	17,55	16,84	17,48	22
23	18,83	18,83	19,76	20,11			17,90	17,83	17,67	17,61	16,79	17,50	23
24	18,88	18,84	19,72	19,74			17,97	17,81	17,66	17,56	16,61	17,53	24
25	18,86	18,39	19,75	19,71			17,94	17,87		17,54	16,62	17,52	25
26	18,87	18,43	19,71	20,13			18,08	17,89		17,51	16,58	17,33	26
27	18,70	18,30	19,68	20,18			18,13	17,92		17,57	16,79	17,39	27
28	18,66	18,27		20,26			18,15	18,04		17,68	16,87	17,55	28
29	18,72						18,15	18,11		17,73	16,94	17,63	29
30	18,72						18,10	18,04		17,73	16,96	17,70	30
31	18,69				26,62		18,07	18,02		17,73			31
						-MONTHLY SUMMARY-							
MEAN	18,90	18,59											MEAN
INST MAX	18,58 (26)	18,21 (26)											INST MAX
INST MIN	19,24 (12)	18,90 (23)											INST MIN

ENVIRONMENT ONTARIO
TORONTO
REGIONAL MUNICIPALITY OF YORK

OBSERVATION WELL 090

BOROUGH OF NORTH YORK CONC. - LOT -

WELL REC #: 6905095
UTM CO-ORD: Z=17 E626320 N4845890
LAT & LONG: 43-46NORTH 79-26WEST

REC METHOD: A35 RECORDER
REC COMMCD: APR 7 1961
MEASURE PT: 5.0 FEET ABOVE GROUND SURFACE
GND ELEV: 477 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: SOIL AND SAND 3; SAND AND GRAVEL 13; SAND, GRAVEL AND SOME CLAY 40; PACKED SAND, CLAY 56; SAND, GRAVEL AND CLAY 59; CONGLOMERATE, SOME CLAY 72; CEMENTED GRAVEL 75; CEMENTED GRAVEL, CLAY 83; SAND, GRAVEL AND CLAY 127; SAND, GRAVEL AND SOME CLAY 132; SAND AND GRAVEL 150.

DIAMETER OF WELL: 16 INCHES
LENGTH OF CASING: 131 FEET
LENGTH OF SCREEN: 15 FEET
DEPTH OF WELL: 146 FEET

PUMP RATE: 1085 IGPM
SPEC. CAP: 21.7 IGPM/FT
AQUIFER : SAND AND GRAVEL
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	-0.02	0.04	0.20	0.10	-0.08	-0.49	-0.38	-0.27	0.03	-0.34	-0.05	-0.92	1
2	0.34	0.41	0.36	-0.33	-0.17	-0.36	-0.08	-0.11	0.01	-0.32	-0.10	-0.79	2
3	0.29	-0.04	0.46	-0.26	0.05	-0.03	0.07	-0.11	0.02	-0.23	-0.11	-0.70	3
4	0.19	-0.12	0.07	-0.26	-0.12	-0.02	-0.05	-0.09	0.04	-0.18	0.0	-0.52	4
5	0.29	-0.06	-0.04	-0.91	-0.45	-0.20	-0.08	-0.07	-0.16	-0.19	0.11	-0.61	5
6	0.15	0.36	0.21	-0.35	-0.47	-0.38	-0.17	-0.11	-0.06	-0.11	-0.15	-0.95	6
7	-0.11	0.60	0.22	-0.07	-0.18	-0.37	-0.24	-0.12	0.07	0.10	-0.17	-0.60	7
8	0.22	0.63	0.25	0.11	-0.35	-0.36	-0.20	-0.20	0.08	-0.27	-0.08	-0.28	8
9	0.32	0.31	0.08	0.22	-0.24	-0.21	-0.04	-0.09	-0.07	-0.61	-0.05	-0.72	9
10	-0.33	0.40	0.14	0.10	-0.23	0.0	0.15	-0.17	-0.26	-0.35	-0.11	-0.10	10
11	0.05	0.24	0.33	-0.05	-0.16	-0.09	0.02	-0.14		-0.37	-0.09	0.06	11
12	0.52	0.17	0.15	-0.01	-0.20	-0.14	-0.16	-0.08		-0.37	-0.09	-0.22	12
13	0.47	-0.33	-0.28	-0.17	-0.28	0.05	-0.11	-0.12		-0.06	-0.07	-0.37	13
14	0.08	-0.07	-0.18	-0.05	-0.20	0.04		-0.21		-0.15	-0.18	-0.58	14
15	-0.03	0.24	-0.12	0.02	-0.07	0.08		0.04		-0.45	-0.48	-0.51	15
16	0.0	0.37	-0.25	0.01	-0.01	0.03		-0.03	0.10	-0.44	-0.62	-0.40	16
17	-0.06	0.33	-0.07	0.0	-0.14	-0.22		-0.29	-0.06	-0.49	-0.71	-0.40	17
18	-0.02	0.19	-0.44	-0.03	-0.23	-0.35		-0.17	-0.21	-0.55	-0.63	-0.63	18
19	-0.10	0.14	-0.11	-0.06	-0.13	-0.36		-0.07	-0.25	-0.42	-0.20	-0.56	19
20	-0.01	0.16	-0.24	-0.01	-0.08	-0.31		-0.06	-0.26	-0.20	-0.11	-0.68	20
21	0.13	0.17	0.01	-0.01	-0.04	-0.15		-0.12	-0.03	-0.15	-0.33	-0.84	21
22	0.40	0.01	-0.26	-0.05	-0.01	0.01	0.07	-0.33	0.10	-0.10	-0.06	-0.80	22
23	0.46	0.31	-0.12	-0.06	0.02	0.09	0.02	-0.22	0.08	0.22	-0.30	-0.74	23
24	0.11	-0.10	0.04	-0.33	0.03	-0.09	-0.16	-0.11	-0.09	0.12	-0.46	-0.76	24
25	-0.13	-0.23	0.19	-0.44	-0.08	-0.30	-0.32	0.08	-0.25	-0.04	-0.59	-1.06	25
26	-0.29	0.16	0.25	-0.41	-0.10	-0.23	-0.05	0.12	-0.48	-0.27	-0.90	-0.84	26
27	-0.35	-0.02	0.11	-0.46	-0.22	-0.16	0.11	0.01	-0.47	-0.26	-0.46	-0.64	27
28	-0.38	0.16	-0.21	-0.36	-0.37	-0.27	0.09	0.03	-0.30	-0.14	-0.33	-0.50	28
29	-0.22		-0.36	-0.06	-0.12	-0.43	-0.12	0.01	-0.16	-0.08	0.05	-0.54	29
30	-0.11		-0.36	-0.02	-0.04	-0.25	-0.18	0.10	-0.21	-0.06	-0.24	-0.45	30
31	-0.14		-0.27		-0.17		-0.24	0.11		-0.04		-0.26	31
					-MONTHLY SUMMARY-								
MEAN	0.05	0.16	-0.01	-0.14	-0.16	-0.18		-0.09		-0.22	-0.25	-0.58	MEAN
INST MAX	-0.38 (28)	-0.38 (13)	-0.65 (18)	-0.98 (5)	-0.56 (5)	-0.52 (1)		-0.40 (22)		-0.65 (9)	-0.99 (26)	-1.25 (25)	INST MAX
INST MIN	0.55 (23)	0.09 (7)	0.51 (3)	0.25 (8)	0.12 (3)	0.12 (23)		0.16 (26)		0.28 (23)	0.20 (5)	0.07 (11)	INST MIN

ENVIRONMENT ONTARIO
TORONTO
REGIONAL MUNICIPALITY OF YORK

OBSERVATION WELL 340

TOWNSHIP OF WHITCHURCH CONC. 6 LOT 27

WELL REC #: 6910965
UTM CO-ORD: Z=17 E632050 N4878700
LAT & LONG: 44-04NORTH 79-21WEST

REC METHOD: 'F' TYPE RECORDER
REC COMMCD: MAY 26 1971
MEASURE PT: 2.0 FEET ABOVE GROUND SURFACE
GND ELEV: 975 FEET ABOVE SEA LEVEL
WELL TYPE: DUG
WELL LOG: TOPSOIL 4; SAND 29.

DIAMETER OF WELL: 48 INCHES
LENGTH OF CASING: 29 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 29 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : SAND
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1		21.58		17.50	18.29	19.46	20.97	20.99	20.14	19.08	17.89	16.13	1
2		21.62		17.43	18.35	19.52	21.00	21.05	20.16	18.55	17.99	15.82	2
3		21.63		17.38	18.44	19.65	21.04	21.09	20.19	17.73	18.09	15.48	3
4			17.94	17.41	18.52	19.75	21.08	21.13	20.23	17.13	18.18	15.35	4
5			10.08	17.28	18.55	19.83	21.11	21.16	20.24	16.80	18.30	15.38	5
6			16.97	17.34	18.60	19.89	21.13	21.18	20.29	16.76	18.35	15.44	6
7				17.46	18.73	19.96	21.16	21.19	20.34	16.81	18.37	15.68	7
8				17.51	18.83	20.04	21.16	21.20	20.40	16.80	18.38		8
9				17.58	18.93	20.12	21.17		20.43	16.84	18.38		9
10				17.59	19.04	20.21	21.19		20.45		18.29		10
11		21.77		17.60	19.14	20.30	21.20		20.51		18.14		11
12		21.78		17.64	19.23		21.20	21.35	20.56		17.99		12
13		21.78		17.67	19.31		21.21	21.34	20.59		17.82		13
14		21.78		17.73	19.41		21.23	21.34	20.62		17.62	16.73	14
15		21.79		17.82	19.53	20.49	21.25	21.35	20.67		17.41	16.36	15
16		21.82		17.88	19.64	20.54	21.24	21.35	20.70		17.26	16.01	16
17		21.83		17.94	19.72	20.59	21.17	21.30	20.71		17.17	15.78	17
18		21.83		17.99	19.78	20.62	21.09	21.17	20.69		17.09	15.63	18
19		21.84		18.05	19.86	20.65	21.00	21.02	20.66		17.03	15.62	19
20		21.84		18.13	19.93	20.69	20.92	20.86	20.63	16.86	16.92	15.64	20
21		21.85		18.20	19.99	20.73	20.84	20.72	20.61	16.85	16.72	15.67	21
22		21.86		18.26	20.05	20.78	20.80	20.57	20.58	16.80	16.63	15.75	22
23		21.88		18.29	20.12	20.81	20.78	20.45	20.52	16.97	16.55	15.85	23
24		18.62	18.16	18.25	20.15	20.83	20.75	20.37	20.44	17.07	16.47	15.92	24
25		17.68	18.20	18.17	20.05	20.84	20.74	20.31	20.32	17.13	16.41	15.82	25
26		19.83	18.23	18.13	19.79	20.86	20.75	20.25	20.13	17.18	16.27	15.63	26
27	21.49	19.75	18.18	18.10	19.55	20.89	20.80	20.19	19.93	17.26	16.25	15.53	27
28	21.50		18.03	18.08	19.40	20.92	20.85	20.15	19.72	17.40	16.24	15.53	28
29	21.51		17.84	18.16	19.38	20.93	20.89	20.12	19.51	17.56	16.29	15.59	29
30	21.51		17.62	18.24	19.40	20.95	20.92	20.12	19.31	17.69	16.27	15.71	30
31	21.54		17.49		19.44		20.95	20.12		17.80		15.90	31
					-MONTHLY SUMMARY-								
MEAN				17.83	19.33		21.02		20.34		17.36		MEAN
INST MAX				17.24 (5)	18.27 (1)		20.73 (25)		19.21 (30)		16.22 (30)		INST MAX
INST MIN				18.31 (23)	20.17 (24)		21.27 (16)		20.71 (17)		18.39 (9)		INST MIN

OBSERVATION WELL DISTRIBUTION

OBSERVATION WELL DATA

REGIONAL OFFICE

KINGSTON
133 Dalton St.
613-549-4000

DISTRICT OFFICES

Belleville
15 Victoria Ave.
613-962-9208

Cornwall
408 Pitt St.
613-933-7402

Ottawa
2378 Holly Lane
613-521-3450

Pembroke
1000 MacKay St.
P.O. Box 67
613-732-3643

LEGEND

- Regional Office
- District Office
- Recording Observation Well
- Number of Recording Wells in same location
- Manually Measured Well
- Number of Manually Measured Wells in same location

ENVIRONMENT ONTARIO
TORONTO
HASTINGS COUNTY

OBSERVATION WELL 209

TOWNSHIP OF HUNGERFORD — CONC. 5 — LOT 1

WELL REC #: 2900582
UTM CO-ORD: Z-18 E312982 N4918717
LAT & LONG: 44-24NORTH 77-21WEST

REC METHOD: 'F' TYPE RECORDER
REC COMMCD: NOV. 28 1967
MEASURE PT: 3.0 FEET ABOVE GROUND SURFACE
GND ELEV: 540 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: SAND AND BOULDERS 7; LIMESTONE 71.

DIAMETER OF WELL: 6.25 INCHES
LENGTH OF CASING: 8.5 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 71 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : LIMESTONE
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1						33,63	37,13	40,21		38,50	40,95		1
2						34,43	37,14	40,41		38,69	40,80		2
3						33,34	37,04	40,36		38,65	40,88		3
4						33,81	36,88	40,18			40,69		4
5						34,30	37,06	39,86			40,30		5
6						34,02	36,90	40,20			40,06		6
7						34,17	36,52				40,16		7
8						34,15	36,53				40,20		8
9						34,05	36,10				40,01		9
10						33,95	35,92						10
11		39,70				33,96	36,17		39,81				11
12		39,62				33,97	36,09		39,21				12
13						33,80	36,00		39,20				13
14						33,49			38,87				14
15									38,30	38,29			15
16									38,97	38,33			16
17										39,13			17
18									39,12	39,30			18
19									38,67	39,70			19
20									38,20	40,02			20
21									38,72	40,29			21
22									39,36	40,40			22
23									39,53	40,33			23
24									39,63	40,38			24
25										40,12			25
26					33,61				39,23	39,94			26
27					33,53		39,76		39,19	40,45			27
28					33,94		39,61		39,53	40,87			28
29					33,82		39,41		39,54	40,88			29
30					33,55		39,67		39,44	40,83			30
31					33,68		40,03			40,83			31

MONTHLY SUMMARY

MEAN													MEAN
INST MAX													INST MAX
INST MIN													INST MIN

ENVIRONMENT ONTARIO
TORONTO
HASTINGS COUNTY

OBSERVATION WELL 400

TOWNSHIP OF SIDNEY — CONC. 5 — LOT 1

WELL REC #: 2906088
UTM CO-ORD: Z-18 E291640 N4896980
LAT & LONG: 44-12NORTH 77-37WEST

REC METHOD: 'F' TYPE RECORDER
REC COMMCD: JAN. 1974
MEASURE PT: 3.4 FEET ABOVE GROUND SURFACE
GND ELEV: 400 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: BLACK TOPSOIL 1; BROWN SAND 3; LOOSE BROWN SAND AND FINE GRAVEL 7; BROWN SAND AND COARSE GRAVEL 50; BROWN SAND AND GRAVEL BOULDERS 60; GREY LIMESTONE 65.

DIAMETER OF WELL: 7 INCHES
LENGTH OF CASING: 50 FEET
LENGTH OF SCREEN: 10 FEET
DEPTH OF WELL: 60 FEET

PUMP RATE: 140 IGPM
SPEC. CAP: 98.6 IGPM/FT
AQUIFER : SAND AND GRAVEL
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	51,13		53,66	52,42	48,60	48,17	49,11	51,17			51,49	49,96	1
2	51,17		53,73	52,32	48,50	48,19	49,13	51,23			51,46	49,88	2
3	51,21		53,80	52,23	48,43	48,20	49,15	51,26			51,42	49,77	3
4	51,24		53,86	52,14	48,35	48,20	49,17	51,27			51,38	49,65	4
5	51,27		53,89	52,03	48,25	48,22	49,19	51,28			51,34	49,51	5
6	51,29		53,90	51,91	48,22	48,23	49,22	51,29			51,31	49,37	6
7	51,32			51,72	48,25	48,24	49,24	51,30			51,29	49,25	7
8	51,35			51,53	48,19	48,26	49,26	51,30			51,26	49,15	8
9	51,40		53,93	51,34	48,13	48,30	49,28	51,29			51,22	49,04	9
10	51,46		53,95	51,15	48,08	48,37	49,32	51,26			51,18		10
11	51,50	52,45	53,99	50,96	48,03	48,43	49,37	51,22			51,15		11
12	51,54	52,48	54,01	50,78	47,98	48,49	49,42	51,20			51,14		12
13	51,58	52,53	54,01	50,62	47,94	48,56	49,48	51,18			51,11		13
14	51,59	52,58	53,96	50,47	47,93	48,67	49,56	51,17	51,69		51,08		14
15	51,61	52,62	53,81	50,32	47,92	48,73	49,63	51,18	51,73	52,12	51,04		15
16	51,65	52,64	53,65	50,17	47,92	48,77	49,72	51,21	51,75	52,07	51,00		16
17	51,66	52,67	53,54	50,03	47,92	48,83	49,84	51,21	51,76	52,02	50,96		17
18		52,69	53,43	49,91	47,91	48,87	49,97	51,21	51,78	51,98	50,93		18
19		52,74	53,35	49,79	47,91	48,89	50,08			51,94	50,86		19
20		52,80	53,28	49,69	47,90	48,90	50,21			51,90	50,79		20
21		52,89	53,22	49,59	47,89	48,90	50,32			51,85	50,72		21
22		53,01	53,15	49,50	47,90	48,91	50,43			51,81	50,65		22
23		53,12	53,09	49,40	47,91	48,92	50,50			51,79	50,58		23
24		53,24	53,03	49,30	47,93	48,93	50,62			51,76	50,52		24
25		53,34	52,97	49,19	47,95	48,94	50,70			51,72	50,46		25
26		53,42	52,93	49,08	48,02	48,97	50,80			51,67	50,40		26
27		53,51	52,89	48,97	48,05	48,99	50,89			51,63	50,33		27
28		53,59	52,84	48,86	48,09	49,05	50,98			51,59	50,25		28
29			52,78	48,77	48,13	49,08	51,07			51,56	50,17		29
30			52,68	48,69	48,14	49,10	51,12			51,54	50,06		30
31			52,54		48,16		51,14			51,51			31

MONTHLY SUMMARY

MEAN				50,43	48,08	48,64	49,93				50,92		MEAN
INST MAX				48,65 (30)	47,89 (21)	48,16 (1)	49,11 (1)				50,01 (30)		INST MAX
INST MIN				52,48 (1)	48,65 (1)	49,11 (30)	51,15 (31)				51,50 (1)		INST MIN

ENVIRONMENT ONTARIO
TORONTO
HASTINGS COUNTY

OBSERVATION WELL 122

TOWNSHIP OF THURLOW — CONC. 6 — LOT 22

WELL REC #: 2905483
UTM CO-ORD: Z=18 E312800 N4904950
LAT & LONG: 44°17'NORTH 77°21'WEST

REC METHOD: TF TYPE RECORDER
REC COMMCD: FEB 2 1965
MEASURE PT: 2.0 FEET ABOVE GROUND SURFACE
GND ELEV: 375 FEET ABOVE SEA LEVEL
WELL TYPE: DUG
WELL LOG: STONEY CLAY 30.3.

DIAMETER OF WELL: 48 INCHES
LENGTH OF CASING: 30.3 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 30.3 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER: CLAY
QUALITY: FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1				2.61	2.65	5.67	7.53	9.61		8.22	4.45		1
2				2.58	2.69	5.57	7.58	9.63		7.92	4.53		2
3				2.26	2.61	5.68	7.64	9.66	8.73	7.52	4.61		3
4				2.47	2.67	5.75	7.70	9.69	8.77	7.13	4.66		4
5				2.24	2.74	5.82	7.77	9.72	8.83		4.74		5
6				2.49	2.78	5.91	7.84	9.75	8.88		4.79		6
7				2.58	2.90	6.01	7.90	9.79	8.95		4.83		7
8			2.43	2.61	2.99	6.10	7.97	9.82	9.02		4.34		8
9				2.65	2.76	6.20	8.05	9.86	9.08		3.75		9
10				2.65	2.70	6.29	8.12	9.87	9.15		3.49		10
11		9.96		2.64	2.81	6.37	8.19	9.89	9.21		3.01		11
12		9.92		2.67	2.92	6.46	8.26	9.90	9.27		2.91		12
13		9.93		2.69	3.06	6.53	8.37	9.93	9.33		2.88		13
14		9.94		2.71	3.21	6.62	8.44	9.97	9.39		2.85		14
15		9.95		2.75	3.36	6.71	8.51	9.91	9.44	3.06	2.82		15
16		9.95	2.26	2.80	3.47	6.79	8.59	9.71	9.49	3.12	2.72		16
17		9.96	2.41	2.84	3.59	6.86	8.67	9.93	9.53	3.18	2.68		17
18		9.85	2.47	2.89	3.71	6.94	8.73	9.37	9.56	3.25	2.29		18
19		9.77	2.51	2.94	3.82	6.99	8.80	9.25	9.59	3.33	2.45		19
20		9.69	2.54	3.01	3.96	7.03	8.88	9.13	9.61	3.42	2.55		20
21		9.61		3.06	4.10	7.10	8.95	8.99	9.62	3.50	2.57		21
22		9.53		3.11	4.24	7.17	9.03	8.86	9.60	3.58	2.58		22
23				2.84	4.39	7.24	9.09	8.74	9.58	3.69	2.58		23
24				2.50	4.53	7.31	9.16	8.65	9.55	3.77	2.45		24
25				2.17	4.66	7.38	9.23	8.58	9.53	3.84	2.52		25
26				2.29	4.78	7.44	9.30	8.55	9.46	3.90	2.43		26
27				2.41	4.89	7.49	9.37		9.23	3.98			27
28				2.45	5.00	7.53	9.43		8.92	4.09			28
29				2.53	5.14	7.56	9.49		8.66	4.17			29
30			2.51	2.59	5.25	7.59	9.55		8.43	4.28			30
31			2.54		5.36		9.59			4.38			31

-MONTHLY SUMMARY-

MEAN				2.63	3.67	6.66	8.57						MEAN
INST MAX				2.05 (25)	2.58 (3)	5.41 (1)	7.52 (1)						INST MAX
INST MIN				3.12 (22)	5.41 (31)	7.57 (29)	9.61 (31)						INST MIN

ENVIRONMENT ONTARIO
TORONTO
HASTINGS COUNTY

OBSERVATION WELL 256

TOWNSHIP OF THURLOW — CONC. 6 — LOT 22

WELL REC #: 2904367
UTM CO-ORD: Z=18 E313250 N4905130
LAT & LONG: 44°17'NORTH 77°20'WEST

REC METHOD: A35 RECORDER
REC COMMCD: JUN. 22 1970
MEASURE PT: 3.0 FEET ABOVE GROUND SURFACE
GND ELEV: 375 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: BROWN TOPSOIL 1; BROWN CLAY AND BOULDERS 3; (DENSE) BROWN SANDY CLAY, BROKEN GRAVEL, BOULDERS 45; HARD LIMESTONE 188; RED GRANITE 190.

DIAMETER OF WELL: 6.25 INCHES
LENGTH OF CASING: 45 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 190 FEET

PUMP RATE: 2 IGPM
SPEC. CAP: 0.07 IGPM/FT
AQUIFER: LIMESTONE
QUALITY: N.A.

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	17.10	17.22	17.09			16.11	16.54						1
2	17.10	17.23	17.09			16.12	16.55						2
3	17.09	17.23	17.07			16.12	16.61						3
4	17.08	17.22	16.96			16.15	16.76						4
5	17.08	17.23	16.60	15.24		16.18	16.88						5
6	17.08	17.23	16.91	15.31		16.20	17.06						6
7	17.08	17.23	16.49	15.39	15.67	16.20							7
8	17.07	17.23	16.44	15.48	15.67	16.24							8
9	17.07	17.23	16.28	15.55	15.68	16.27							9
10	17.07	17.24		15.51	15.68	16.30							10
11	17.07	17.24		15.50	15.68	16.32							11
12	17.08	17.25		15.57	15.67	16.33							12
13	17.08	17.21	15.12		15.70	16.36							13
14	17.08	17.19	15.16		15.71	16.38							14
15		17.19	15.24		15.73	16.40							15
16		17.20	15.32		15.76	16.42							16
17		17.20	15.38		15.77	16.42							17
18		17.20	15.46		15.79	16.40							18
19	17.21	17.21	15.48		15.81	16.34							19
20	17.21	17.22	15.48		15.83	16.33							20
21	17.21	17.21			15.86	16.34							21
22	17.20	17.22			15.88	16.38							22
23	17.21	17.22			15.89	16.42							23
24	17.20	17.21			15.90	16.43							24
25	17.21	17.19			15.95	16.39							25
26	17.20	17.19			16.00	16.41							26
27	17.20	17.19			16.02	16.38							27
28	17.20	17.19			16.04	16.35							28
29	17.20				16.07	16.42							29
30	17.21				16.08	16.50							30
31	17.21				16.10								31

-MONTHLY SUMMARY-

MEAN		17.20				16.32							MEAN
INST MAX		17.09 (24)				16.11 (1)							INST MAX
INST MIN		17.26 (13)				16.54 (30)							INST MIN

ENVIRONMENT ONTARIO
TORONTO
HASTINGS COUNTY

OBSERVATION WELL 328

TOWNSHIP OF THURLOW — CONC. 6 — LOT 13

WELL REC #: 2906070
UTM CO-ORD: Z=18 E309090 N4905580
LAT & LONG: 44=13NORTH 77=23WEST

REC METHOD: STEEL TAPE
REC COMMCD: NOV. 16 1970
MEASURE PT: 3.0 FEET ABOVE GROUND SURFACE
GND ELEV: 340 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: BROWN TOPSOIL 01; LOOSE BROWN SAND AND GRAVEL 05.

DIAMETER OF WELL: 2 INCHES
LENGTH OF CASING: 5 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 5 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : SAND AND GRAVEL
QUALITY : FRESH

1977
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
		08/ -0.68	04/ -0.44	06/ 0.0	03/ 0.49 30/ 0.92	28/ 2.05		02/ 0.42	14/ 0.18	10/ -0.15	08/ -0.12

ENVIRONMENT ONTARIO
TORONTO
HASTINGS COUNTY

OBSERVATION WELL 123

TOWNSHIP OF TYENDINAGA — CONC. 6 — LOT 7

WELL REC #: 2905484
UTM CO-ORD: Z=18 E317400 N4911425
LAT & LONG: 44=20NORTH 77=17WEST

REC METHOD: 1FI TYPE RECORDER
REC COMMCD: FEB 2 1965
MEASURE PT: 2.5 FEET ABOVE GROUND SURFACE
GND ELEV: 475 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: OVERBURDEN (CLAY AND STONES) 35; LIMESTONE 72.

DIAMETER OF WELL: 6 INCHES
LENGTH OF CASING: 35 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 72 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : LIMESTONE
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	26.61				15.97		27.36	28.42					1
2	26.88				16.06		27.62	28.48					2
3	26.95				16.15		27.62	28.45					3
4	26.80				16.21	25.91	27.56						4
5	26.78			12.05	16.25	25.89	27.61						5
6	26.61			12.35	16.45	25.91	27.58						6
7	26.64			12.54	16.79	26.04	27.58						7
8	26.89			12.77	16.83	26.18	27.68						8
9	26.92			12.96	16.87	26.37	27.84						9
10	26.38			13.20	16.92	26.49	27.77						10
11	26.86			13.42	16.97	26.45	27.66						11
12	27.01			13.67	17.02	26.51	27.73						12
13	27.08			13.89	17.08	26.70	27.91						13
14	26.83			14.15	17.15	26.73	27.86						14
15	26.74			14.42	17.33	26.83	27.88						15
16	26.77			14.65	18.44	26.87	27.88						16
17	26.79			14.89	19.97	26.78	27.96						17
18				15.10	21.21	26.88	27.94						18
19				15.30		26.86	27.95						19
20				15.49		26.89	28.14						20
21				15.65		27.07	28.19						21
22				15.77		27.21	28.08						22
23				15.83		27.27	27.98						23
24				15.85		27.17	28.30						24
25				15.81		27.14	28.43						25
26				15.75		27.27	28.40						26
27				15.66		27.36	28.28						27
28				15.74		27.29	28.22						28
29				15.83		27.25	28.30						29
30				15.91		27.05	28.28						30
31							28.29						31

=MONTHLY SUMMARY=

MEAN							27.93						MEAN
INST MAX							27.23 (1)						INST MAX
INST MIN							28.67 (25)						INST MIN

ENVIRONMENT ONTARIO
TORONTO
LENNOX AND ADDINGTON COUNTY

OBSERVATION WELL 474

TOWNSHIP OF ERNESTOWN CONC. 5 LOT 14

WELL REC #: 3701191
UTM CO-ORD: Z-18 E355480 N4902559
LAT & LONG: 44-16NORTH 76-49WEST

REC METHOD: A35 RECORDER
REC COMMCD: JAN. 18 1968
MEASURE PT: 3.0 FEET ABOVE GROUND SURFACE
GND ELEV: 350 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: CLAY 3; LIMESTONE 23.

DIAMETER OF WELL: 6 INCHES
LENGTH OF CASING: 8 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 23 FEET

PUMP RATE: 2 IGPM
SPEC. CAP: 0.25 IGPM/FT
AQUIFER : LIMESTONE
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	6.65	6.63	6.13	5.75	6.22	6.32	6.42	6.85	6.59	5.87	6.36	5.35	1
2	6.82	6.61	6.24	5.80	6.15	6.31	6.45	7.49	6.60	5.50	6.36	5.20	2
3	6.58	6.58	6.25	5.80	6.21	6.32	6.48	6.92	6.60	5.63	6.38	5.37	3
4	6.53	6.56	6.21	5.83	6.22	6.32	6.49	6.85	6.61	5.76	6.38	5.54	4
5	6.21	6.54	5.72	5.68	6.17	6.32	6.51	6.82	6.66	5.89	6.14	5.74	5
6	6.77	6.54	5.79	5.86	6.11	6.33	6.52	7.15	6.67	5.97	6.18	5.94	6
7	6.67	6.54	5.99	5.95	6.19	6.34	6.51	8.13	6.66	6.06	6.23	5.96	7
8	6.63	6.54	5.94	6.03	6.15	6.34	6.50	7.39	6.66	6.08	6.14	5.94	8
9	6.20	6.54	5.79	6.07	6.08	6.35	6.52	6.97	6.67	5.61	5.71	5.96	9
10	7.77	6.54	5.52	6.09	6.14	6.37	6.55	6.76	6.67	5.36	5.88	6.01	10
11	8.14	6.54	5.36	6.14	6.18	6.38	6.55	6.80	6.67	5.62	5.85	6.05	11
12	7.92	6.52	5.17	6.17	6.20	6.38	6.56	6.85	6.68	5.78	5.61	6.05	12
13	7.42	6.26	4.83	6.18	6.21	6.38	6.56	6.86	6.67	5.91	5.72	6.05	13
14	7.05	6.14	4.73	6.20	6.24	6.39	6.58	6.95	6.58	5.99	5.88	5.91	14
15	6.87	6.30	5.15	6.22	6.26	6.39	6.65	6.89	6.26	6.02	5.95	5.68	15
16	6.82	6.37	5.43	6.25	6.27	6.40	6.66	6.46	6.40	6.08	5.95	5.81	16
17	6.79	6.38	5.64	6.27	6.28	6.42	7.19	6.32	6.43	6.10	5.44	5.86	17
18	6.76	6.39	5.79	6.28	6.29	6.42	8.07	6.42	6.37	6.11	5.39	5.90	18
19	6.75	6.40	5.94	6.29	6.29	6.36	7.73	6.45	6.37	6.12	5.64	5.96	19
20	6.74	6.40	5.96	6.29	6.29	6.36	6.95	6.49	6.41	6.20	5.79	6.00	20
21	6.74	6.41	5.95	6.32	6.28	6.37	6.89	6.49	6.35	6.24	5.79	6.04	21
22	6.74	6.48	5.87	6.23	6.28	6.39	6.88	6.15	6.28	6.28	5.81	6.06	22
23	6.73	6.66	5.98	6.00	6.30	6.41	6.87	6.29	6.29	6.30	5.88	6.07	23
24	6.73	6.69	5.97	5.80	6.32	6.42	6.87	6.23	6.29	6.32	5.62	6.08	24
25	6.72	5.99	6.00	5.66	6.32	6.42	6.91	6.32	6.28	6.32	5.77	5.80	25
26	6.71	6.05	6.01	5.80	6.32	6.42	6.91	6.38	6.06	6.32	5.48	5.78	26
27	6.69	6.08	5.96	5.92	6.33	6.42	6.86	6.43	5.73	6.33	5.65	5.87	27
28	6.69	5.92	5.69	6.05	6.32	6.43	7.89	6.49	5.90	6.32	5.80	5.92	28
29	6.67		5.31	6.13	6.31	6.41	7.17	6.54	5.96	6.33	5.86	5.97	29
30	6.66		5.50	6.19	6.31	6.41	6.80	6.58	6.05	6.35	5.91	6.09	30
31	6.65		5.56		6.33		6.81	6.57		6.35		6.14	31
						-MONTHLY SUMMARY-							
MEAN	7.57	6.41	5.72	6.04	6.24	6.38	6.82	6.72	6.41	6.04	5.88	5.87	MEAN
INST MAX	6.64 (31)	5.77 (27)	4.52 (13)	5.59 (24)	6.02 (8)	6.31 (2)	6.41 (1)	5.97 (22)	5.66 (26)	5.19 (9)	5.18 (17)	5.13 (1)	INST MAX
INST MIN	9.93 (2)	6.69 (24)	6.30 (4)	6.33 (22)	6.33 (28)	6.43 (29)	8.31 (28)	8.55 (7)	6.69 (12)	6.35 (31)	6.39 (3)	6.15 (31)	INST MIN

ENVIRONMENT ONTARIO
TORONTO
PRESCOTT COUNTY

OBSERVATION WELL 257

TOWNSHIP OF PLANTAGENET CONC. 5 LOT 7

WELL REC #: 5200390
UTM CO-ORD: Z-18 E500550 N5041250
LAT & LONG: 45-32NORTH 74-59WEST

REC METHOD: A35 RECORDER
REC COMMCD: NOV. 20 1969
MEASURE PT: N.A.
GND ELEV: 167 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: SILT 25; COARSE SAND 30; GRAVEL 35.

DIAMETER OF WELL: 6 INCHES
LENGTH OF CASING: 34 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 35 FEET

PUMP RATE: 75 IGPM
SPEC. CAP: 2.69 IGPM/FT
AQUIFER : GRAVEL
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW MEASURING POINT

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1							9.93	9.91					1
2							9.93	9.96					2
3							9.84	10.65					3
4							9.64	12.02					4
5							9.54	10.62					5
6							9.47	9.90					6
7							9.38	9.48					7
8							9.27	9.24					8
9							10.20	9.24					9
10							12.93	9.16					10
11							13.78	9.04					11
12							14.33	8.97					12
13							14.02	8.90					13
14							12.34	8.84					14
15							11.76						15
16						11.46	12.29						16
17						12.36	11.33						17
18						12.96	11.07						18
19						11.56	10.70						19
20						11.11	10.47						20
21						10.81	10.66						21
22						10.65	12.34						22
23						10.44	11.05						23
24						10.16	10.64						24
25						9.96	10.32						25
26						9.93	10.45						26
27						11.37	10.39						27
28						11.94	10.26						28
29						10.63	10.93						29
30						10.37	10.37						30
31							10.11						31
							-MONTHLY SUMMARY-						
MEAN							10.96						MEAN
INST MAX							9.23 (8)						INST MAX
INST MIN							14.72 (13)						INST MIN

ENVIRONMENT ONTARIO
TORONTO
PRESCOTT COUNTY

OBSERVATION WELL . .

TOWNSHIP OF W. HAWKESBURY CONC. 5 LOT 8

WELL REC #: 5200594
UTM CO-ORD: Z=18 E528025 N5042000
LAT & LONG: 45-32NORTH 74-39WEST

REC METHOD: A35 RECORDER
REC COMMCD: OCT 19 1966
MEASURE PT: 2.8 FEET ABOVE GROUND SURFACE
GND ELEV: 275 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: GREY CLAY 10; GREY CLAY AND GRAVEL 12; HARDPAN 30; SOFT WEATHERED GREY LIMESTONE WITH SOME GRAVEL 49; LIGHT BROWN LIMESTONE 59; DARK GREY LIMESTONE 94.

DIAMETER OF WELL: 10 INCHES
LENGTH OF CASING: 36 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 94 FEET

PUMP RATE: 40 IGPM
SPEC. CAP: 3.81 IGPM/FT
AQUIFER : LIMESTONE
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.81	3.81	3.74	1.57	3.41	5.93	5.39	7.10					1
2	3.74	3.83	3.77	1.95	3.48	6.00	5.47	7.12					2
3	3.67	3.84	3.80	2.05	3.54	6.11	5.58	7.20					3
4	3.69	3.84	3.70	1.93	3.46	6.14	5.62	7.22					4
5	3.61	3.85	3.44	2.16	3.51	6.17	5.69	6.11					5
6	3.59	3.86	3.23	2.06	3.59	6.23	5.84	5.48					6
7	3.64	3.86	3.09	2.18	3.64	6.30	5.92	5.34					7
8	3.63	3.86	3.02	2.35	3.76	6.35	6.09	5.32					8
9	3.50	3.83	2.94	2.45	3.87	6.39	6.29	5.47					9
10	3.59	3.85	2.67	2.60	3.90	6.44	6.45	5.61					10
11	3.66	3.82	2.12	2.65	3.96	6.49	6.54	5.60					11
12	3.68	3.82	1.73	2.68	4.04	6.57	6.60	5.55					12
13	3.67	3.76	1.53	2.68	4.12	6.66	6.50	5.59					13
14	3.67	3.82	0.90	2.66	4.20	6.77	6.29	5.66					14
15	3.68	3.84	0.90	2.59	4.31	6.81	6.21						15
16	3.69	3.85	1.00	2.65	4.42	6.86	5.83						16
17	3.70	3.85	1.11	2.77	4.51	6.87	5.79						17
18	3.72	3.84	1.35	2.87	4.63	6.81	5.75						18
19	3.75	3.85	1.59	2.95	4.81	6.70	5.79						19
20	3.82	3.84	1.84	3.03	4.96	6.50	5.91						20
21	3.84	3.85	2.00	3.11	5.12	6.48	6.11						21
22	3.83	3.88	2.12	3.20	5.26	6.58	6.31						22
23	3.81	3.95	2.17	3.27	5.37	6.62	6.43						23
24	3.80	3.85	2.29	3.22	5.49	6.70	6.56						24
25	3.79	3.82	2.45	3.17	5.56	6.74	6.32						25
26	3.78	3.89	2.61	3.22	5.66	6.80	6.50						26
27	3.78	3.82	2.74	3.02	5.76	6.88	6.74						27
28	3.79	3.77	2.84	3.01	5.83	6.94	6.91						28
29	3.79		2.96	3.13	5.88	6.43	7.05						29
30	3.79		1.72	3.28	5.88	5.52	7.11						30
31	3.80		1.53		5.90		7.08						31
					-MONTHLY SUMMARY-								
MEAN	3.72	3.84	2.34	2.68	4.57	6.49	6.22						MEAN
INST MAX	3.44 (9)	3.75 (28)	0.80 (14)	1.41 (1)	3.37 (1)	5.42 (30)	5.37 (1)						INST MAX
INST MIN	3.84 (21)	3.96 (23)	3.81 (3)	3.37 (30)	5.92 (31)	6.96 (28)	7.13 (30)						INST MIN

ENVIRONMENT ONTARIO
TORONTO
PRINCE EDWARD COUNTY

OBSERVATION WELL 178

TOWNSHIP OF HALLOWELL MT 2 LOT 2

WELL REC #: 5300976
UTM CO-ORD: Z=18 E318640 N4873090
LAT & LONG: 43-99NORTH 77-15WEST

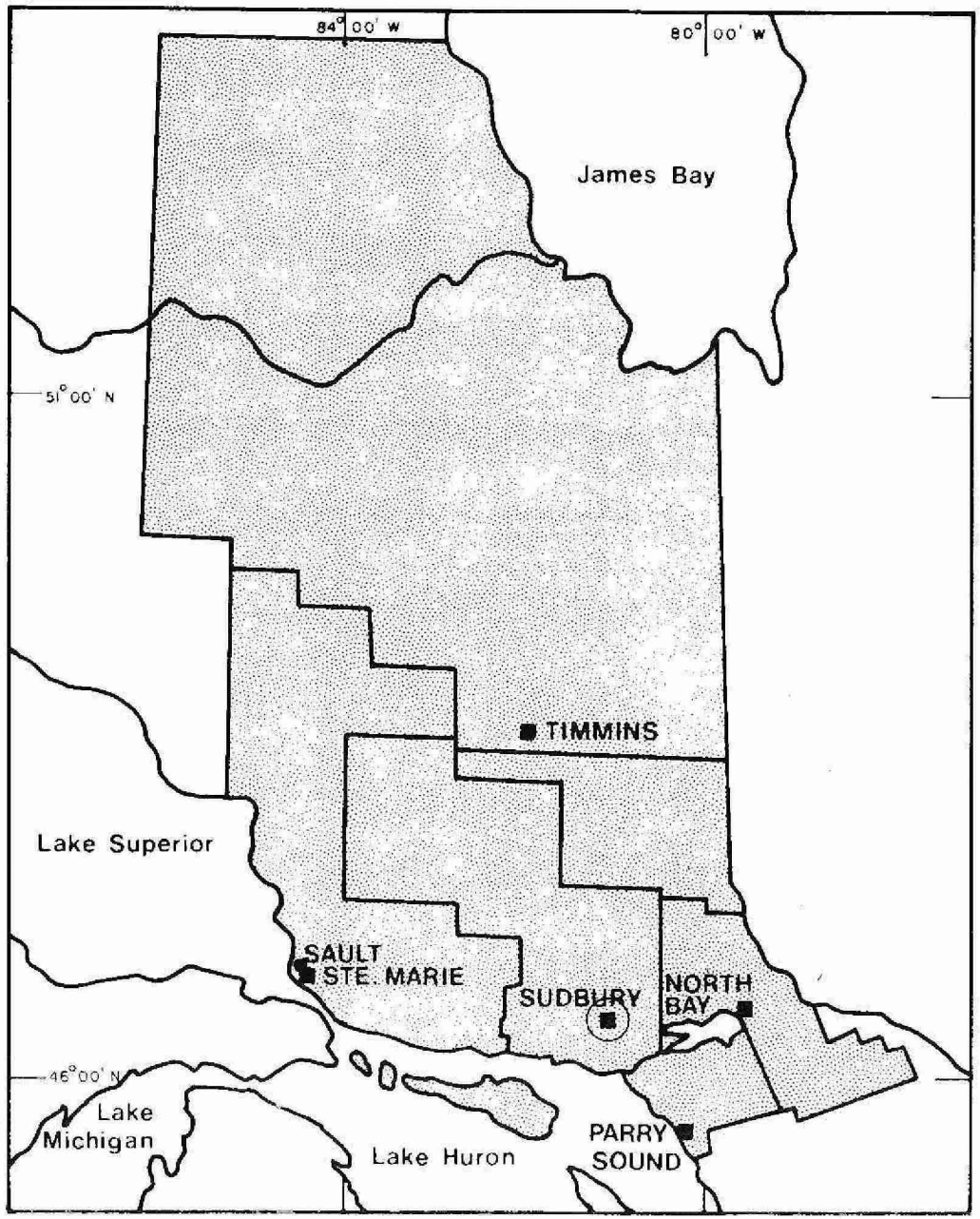
REC METHOD: A35 RECORDER
REC COMMCD: JUL. 18 1966
MEASURE PT: 1.5 FEET ABOVE GROUND SURFACE
GND ELEV: 294 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: GRAVEL 10; LIMESTONE 100.

DIAMETER OF WELL: 6.25 INCHES
LENGTH OF CASING: 10 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 100 FEET

PUMP RATE: 5 IGPM
SPEC. CAP: N.A.
AQUIFER : LIMESTONE
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1								11.50		8.82	1.18		1
2								11.66		8.62	1.22		2
3								11.82		8.41	1.27		3
4								11.99		8.14	1.33		4
5								12.14		7.72	1.39		5
6								12.29		7.18	1.44		6
7	1.92							12.43		6.62	1.50		7
8							7.60	12.56		6.02	1.54		8
9							7.77	12.67		5.43	1.58		9
10							7.95	12.77	9.44	4.83	1.63		10
11							8.12	12.86	9.33	4.17	1.68		11
12							8.26	12.98	9.17	3.51	1.72		12
13							8.39	13.06	9.12	2.93	1.76		13
14							8.56	13.15	9.09	2.51	1.77		14
15							8.75	13.22	9.05	2.21	1.68		15
16							8.90	13.27	9.02	1.86	1.42		16
17							9.05	13.32	8.97	1.44	1.18		17
18							9.19	13.40	8.97	1.13	1.01		18
19							9.34	13.45	8.98	0.88			19
20							9.47	13.46	9.00	0.79			20
21							9.59	13.47	9.01	0.77			21
22							9.73	13.46	9.02	0.73			22
23							9.91	13.42	9.08	0.71			23
24							10.11	13.35	9.11	0.75			24
25							10.28	13.20	9.11	0.77			25
26							10.42	13.02	9.11	0.82			26
27							10.58	12.83	9.11	0.88			27
28							10.82	12.61	9.10	0.93			28
29							11.04	12.29	9.05	0.98			29
30							11.22		8.96	1.05			30
31							11.36			1.12			31
					-MONTHLY SUMMARY-								
MEAN										3.31			MEAN
INST MAX										0.71 (23)			INST MAX
INST MIN										8.89 (1)			INST MIN



OBSERVATION WELL DISTRIBUTION

OBSERVATION WELL DATA

REGIONAL OFFICE

SUDBURY
469 Bouchard St.
705-522-8282

DISTRICT OFFICES

North Bay
1500 Fisher St.
705-476-1001

Sault Ste. Marie
445 Albert St. E.
705-949-4640

Timmins
83 Algonquin Blvd. W.
705-264-9474

Parry Sound
74 Church St.
705-746-2139

LEGEND

- Regional Office
- District Office
- Recording Observation Well
- Number of Recording Wells in same location
- Manually Measured Well
- Number of Manually Measured Wells in same location (2)

ENVIRONMENT ONTARIO
TORONTO
DISTRICT OF ALGOMA

OBSERVATION WELL 121

CITY OF SAULT STE. MARIE CONC. - LOT -

WELL REC #: 1101581
UTM CO-ORD: Z=17 E701680 N5156850
LAT & LONG: 46-40NORTH 84-22WEST

REC METHOD: 'EI' TYPE RECORDER
REC COMMCD: FEB. 10 1965
MEASURE PT: 3.0 FEET ABOVE GROUND SURFACE
GND ELEV: 625 FEET ABOVE SEA LEVEL
WELL TYPE: DRILLED
WELL LOG: BLUE CLAY 75; ROCK 83.5.

DIAMETER OF WELL: 10 INCHES
LENGTH OF CASING: 75 FEET
LENGTH OF SCREEN: NONE
DEPTH OF WELL: 83.5 FEET

PUMP RATE: N.A.
SPEC. CAP: N.A.
AQUIFER : ROCK
QUALITY : FRESH

1977
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	58.45			57.59	56.11	57.82	57.74						1
2	58.39			57.55	56.62	57.89	57.86						2
3	58.35			57.53	57.53	57.99	57.86						3
4	58.34			57.54	57.59	58.00	57.81						4
5	56.80		59.00	57.51	57.59	57.99	57.83						5
6	58.34		59.04	57.62	57.61	57.94	57.60						6
7			59.09	57.63	57.67	57.91	57.99						7
8			59.07	57.67	57.65	57.90	58.09						8
9			59.02	57.70	57.62	57.90	58.04						9
10			58.97	57.68	57.70	57.66	58.00						10
11			58.94	57.65	57.76	57.75							11
12			58.82	57.63	57.80	57.83							12
13			58.70	57.64	57.82	57.97	57.65						13
14			58.51		57.86	58.01	57.37						14
15			58.38		57.88	58.03	58.01						15
16			58.20	57.65	57.90	58.05	58.01						16
17			58.15	57.62	57.89		58.04						17
18			58.12	57.49	57.90		58.06						18
19			58.09	57.46	57.91		58.14						19
20			58.05	57.45	57.54		58.25						20
21			58.04	57.47	57.80		58.27						21
22			58.04	57.49	57.74								22
23			58.01	57.52	57.28								23
24			57.95	57.54	57.22								24
25			57.59	57.54	57.72	57.96							25
26			57.65	57.56	57.72	58.00							26
27			57.74	57.55	57.69	56.93							27
28			57.72	57.69	57.71	56.43							28
29			57.57	57.70	57.72	56.12							29
30			57.51	57.68	57.68								30
31			57.55		57.78								31

=MONTHLY SUMMARY=

MEAN					57.61								MEAN
INST MAX					42.97 (24)								INST MAX
INST MIN					57.94 (20)								INST MIN